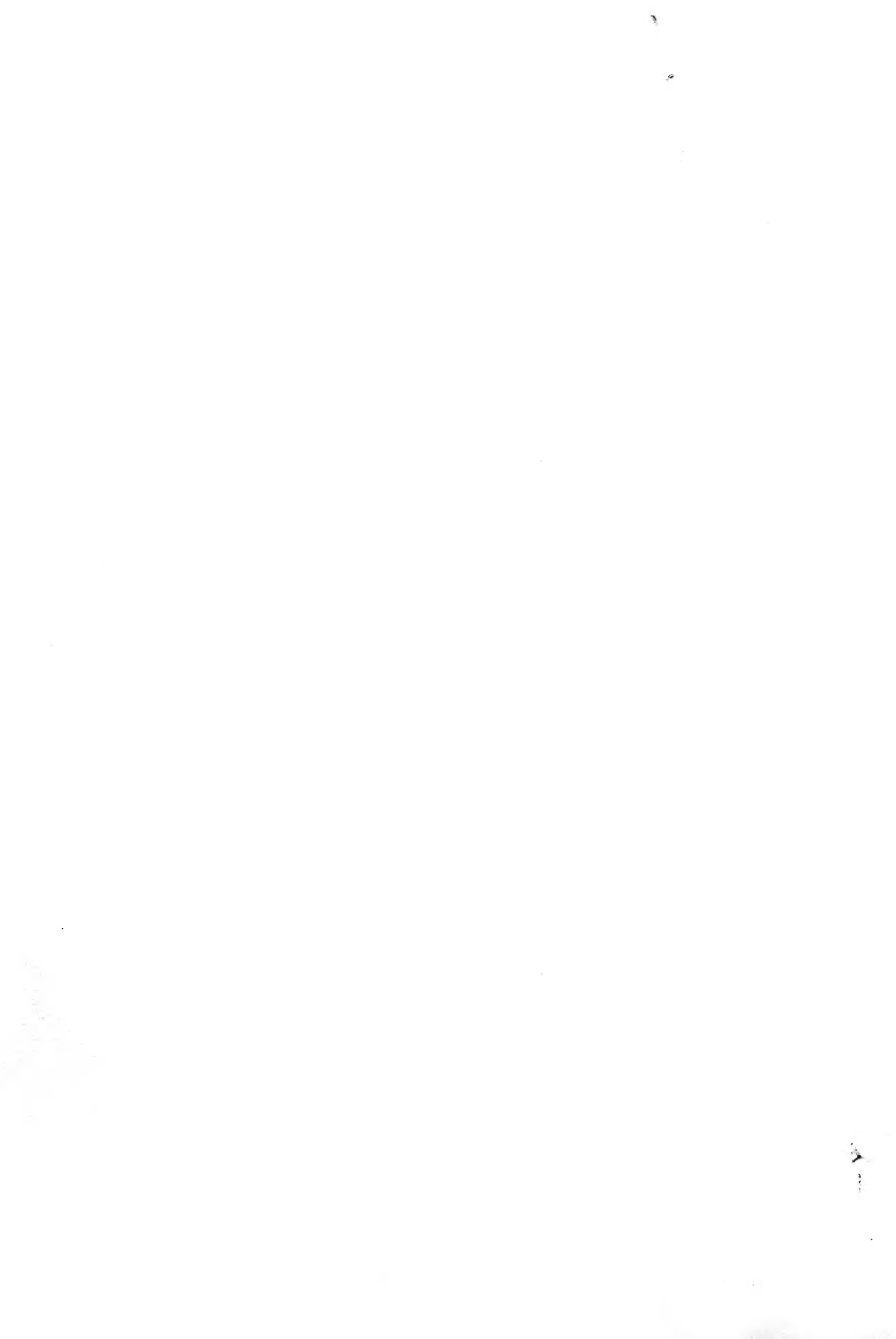


Historic, archived document

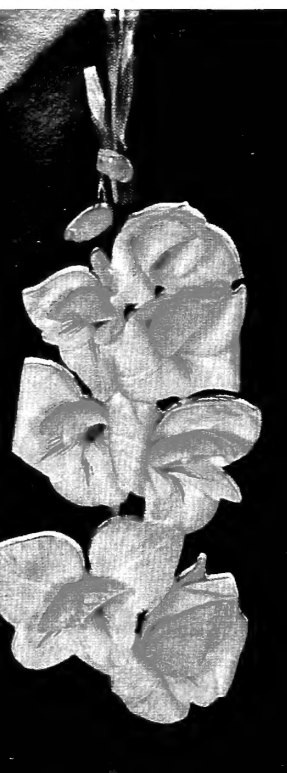
Do not assume content reflects current
scientific knowledge, policies, or practices.





(See Page 9)
Vaughan's Special
Mixture of
Annual Pinks

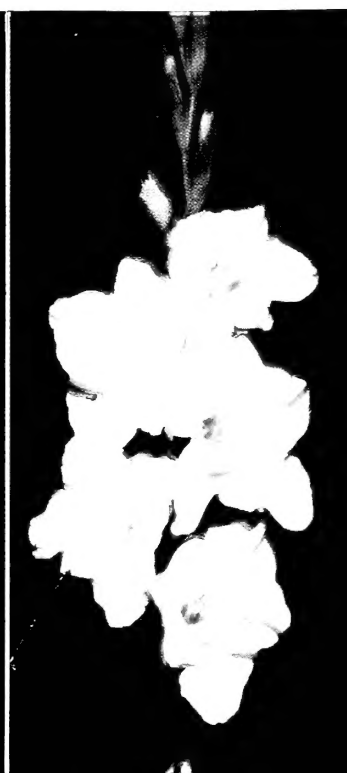
Lovely SHIRLEY TEMPLE Variety Joins All Star Cast of *Vaughan's Famous Rainbow Garden of Gladioli*



DEARBORN



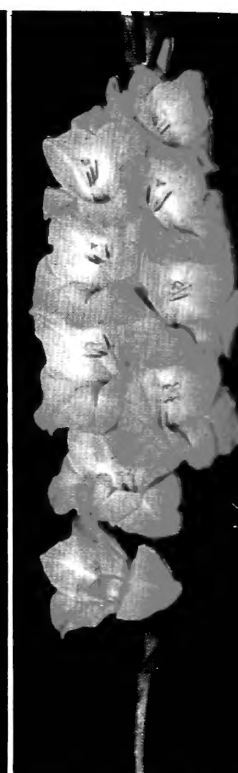
MINUET



SHIRLEY TEMPLE



PICARDY



MRS. F. L. KARCHER

One hundred flowering size bulbs, ten each of the ten outstanding varieties illustrated on this page.

Each variety separately bagged and labeled. Prepaid 600 miles for \$2.00.

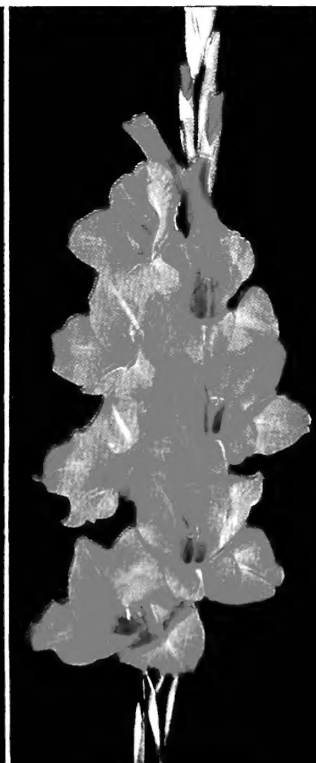
The reproductions on this page are made by direct color photography, not of exceptional specimens, but of average flowers, reproduced on the same scale of reduction exactly one-fifth life size. For price on each variety see Gladiolus Pages.



EDITH MASON



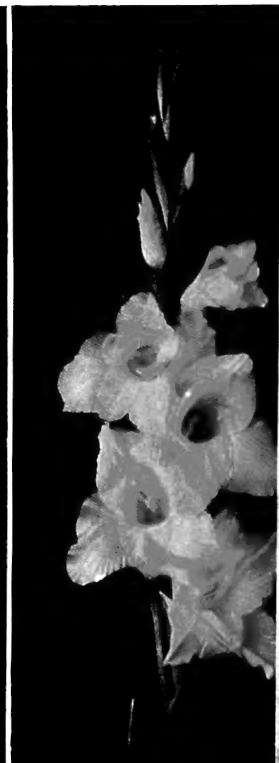
MARY SHARY



DR. F. E. BENNETT



MAID OF ORLEANS



WASAGA

Vaughan's Famous Rainbow GARDEN of GLADIOLI

With Variety "Shirley Temple" . . .



A Forty-Acre Field of Gladiolus Picardy on Vaughan's Gladiolus Farms, Ovid, Mich.

BEING the largest growers of Gladioli in the world, we take especial pride in offering, as the dominant value in our annual catalog, the best collection of Gladioli it is possible to buy for \$2.

Only those who are familiar with Gladioli will realize what a value this is. Each of the ten varieties is recognized by fanciers as among the very finest in its color. With this collection; for a fraction of what one single bulb of any one of these varieties would have cost a short time ago, you will have a Gladiolus garden which few can equal.

The bulbs in this collection are not first size, but they are of flowering size, they are the kind we use in growing exhibition flowers. They take a little longer to bloom than large bulbs do, but the size and quality of the flowers, and the crop of bulbs produced for your next year's planting, are equal to the products of the largest bulbs.

Visit Ovid, Mich., at Gladiolus Time

At Ovid, Mich., where Vaughan's Gladiolus Farms are centered, a Gladiolus Festival has become an annual event. Held last year on Aug. 31, Sept. 1 and 2, it attracted thousands of visitors for whom the principal attraction were great fields of flowers on the Vaughan farms, which were a blaze of color.

Vaughan's Seed Store is the largest grower of Gladiolus bulbs in the world, having established the farms at Ovid more than a quarter century ago. Extensive breeding operations are carried on, and many new varieties have been introduced. (See Pages 91-93).

Located on Michigan route 21, 13 miles west of Owosso, the farms and display garden begin to show flowers about July 15 and from then until Oct. 1 are a sight worth traveling far to behold. Visitors are welcome during the flowering season.

Enclosed find check for \$2 for which please send me your Rainbow Garden of Gladioli. I am not in the habit of throwing bouquets, but must say my last order of same bulbs were wonderful, exceeded expectations and were admired by everyone.

Floyd M. Davis, Paris, Ill.

TEN EACH OF THESE TEN:

SHIRLEY TEMPLE. Rich cream, almost white, with richer cream throat. Six to eight very large, beautifully ruffled flowers open at one time. A spike of maximum size, equal to Picardy or Miss New Zealand on the average. Despite its enormous size it does not have the least coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike opening perfectly.

DEARBORN. Immense spike of deep light orange florets, each 5 to 6 inches across. Unrivaled in its color. Early.

DR. F. E. BENNETT. Tall, vigorous spike of exhibition size, bright scarlet flowers with faint white markings in throat.

EDITH MASON. Exquisite geranium-pink, large flowers, many open together.

MAID OF ORLEANS. A giant white bred by Pfitzer, with the typical mammoth florets of his strain; milky white, cream throat.

MARY SHARY. Tallest and largest of all the yellows; a soft primrose, deeper in the throat, unfading in the brightest sun, or under artificial light. Spike straight, growth vigorous.

MINUET. True orchid coloring, giant flower, tall spike, vigorous grower, unquestioned leader of its color.

MRS. FRANCES L. KARCHER. Vivid orange scarlet, with tall, straight spike, and large florets, eight opening together.

100 BULBS

10 EACH OF 10 VARIETIES

Separately Bagged
And Labeled

Prepaid
600 Miles

\$2

PICARDY. Still undisputed champion of all. Huge spike, with immense florets, often ten open at once. Ruffled, apricot pink.

WASAGA. Large flowers of clear apricot, buff throat. A prize winner in its color class.

After April 1st it may be necessary to change this collection.

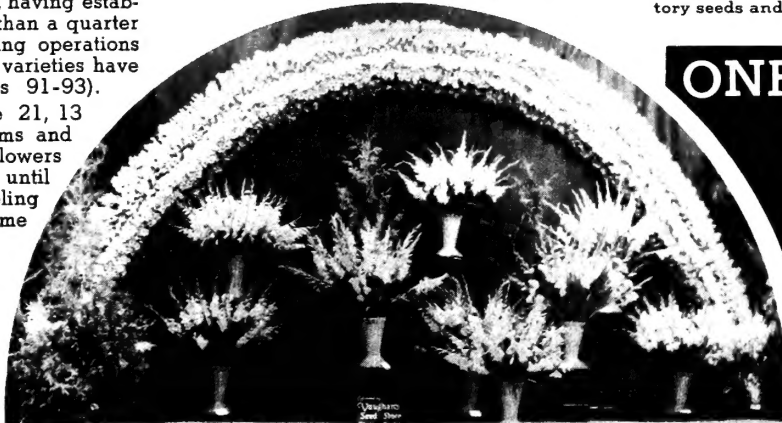
Read What 1940 Buyers Say:

Your Rainbow Collections of Gladioli and Tulips are wonderful. Our lawn and flowers took third place in the Governor Henry Horner Floral contest in our county.

Mrs. Oliver A. Heisler, Mt. Carroll, Ill.

For the first time this year I grew Gladioli, and every bulb you sent me was superfine. As they bloomed, they gave great pleasure to my friends, and to myself in the growing of such superb flowers. Thanking you for past years of satisfactory seeds and bulbs.

Mrs. George Hand, Erie, Mich.



Vaughan's Seed Store's Exhibit of this Rainbow made of Gladiolus Flowers, with a Pot of Gold at each end, represented by a vase of Gladiolus Dearborn, won the grand prize at 1940 Michigan Gladiolus Show at Jackson, Mich. This is the largest Gladiolus show in the country.

ONE-HALF PORTION

50 BULBS \$1

You may order half a Rainbow Garden Collection, 5 bulbs each of the 10 varieties listed above, prepaid for \$1.00.

You Can Grow Giant DAHLIAS

8 Champion Varieties

of
Rainbow Colors **\$3.85**

THESE are varieties that have proved their merit, and both in garden display and on the exhibition tables, won rank among the best.

Only a chosen few of the new varieties introduced each year win a place on the list of proven champions. All these varieties have stood the test, and demonstrated that besides their giant size and fine coloring, they have the qualities of vigorous growth and free flowering. There is no difficulty about getting giant flowers from these varieties, if you follow the simple directions which we furnish with each order.



MONARCH OF THE EAST

**One Each of These
Eight Varieties,
Value \$5.35. (Prepaid 300 Miles),
For \$3.85**

**Ten
Prize Winning
Giants for . . \$1.85
Value \$2.65. Prepaid 300 Miles**

MONARCH OF THE EAST, our headliner, is a real giant in the Dahlia world. It is a big, bold blossom of the most vivid coloring—a golden bronze with a coral red reverse. The illustration shows its form, but can only suggest its striking color. This is one of the Dahlias which can be grown to large proportions, how big depends upon the cultivation given it. But with ordinary care it will make big flowers, which can be entered with confidence in any competition. Price, each, Tubers, \$1.50.

Buckeye Glory. I.D. Clear lavender to deep lavender. Each, 75c.

California Idol. I.D. A giant clear yellow that can win in any class. Each, 75c.

Clara Carder. F.D. A Cyclamen pink with flush of yellow at base. Each, 50c.

Hunt's Velvet Wonder. I.C. A rich violet purple. Can be grown to immense size. Each, 50c.

Mrs. Geo. L. Boutillier. I.D. A rich velvety carmine. Outstanding in all respects. Each, 50c.

Rose Glory. F.D. Pure deep rose-pink. Very free bloomer. Each, 50c.

White Wonder. F.D. The giant blooms are pure white. Each, 35c.

ASK your Dahlia growing friends about these ten. They are all outstanding varieties which have held leadership long enough for many growers to produce them. Thus, the supply of tubers has expanded, with consequent price reduction. Each is a winner in its class and every collection should have them.

Avalon. F.D. Clear yellow. Each, 25c.

City of Welston. I.D. Rhodamine purple. Each, 25c.

Gertrude Brinton. F.D. True brick red. Each, 25c.

Jane Cowl. I.D. A warm buff and old gold. Each, 25c.

Jersey's Beauty. F.D. Perfect formed true pink. Each, 25c.

Josephine G. S.C. Rose pink tipped yellow. Each, 25c.

Monmouth Champion. F.D. A brilliant orange flame. Each, 25c.

Mrs. Ide Ver Warner. F.D. Lavender pink. Each, 20c.

Rose Fallon. F.D. Dark orange tinted with amber and salmon. Each, 25c.

White King. F.D. Pure white, fine form and substance. Each, 25c.

For Complete Descriptions See Pages 89-90.



Disbudding Technique

The Diagram shows a Typical Dahlia Plant which was pinched back after making the first four leaves, and thereafter disbudded and disbudded to produce 10 exhibition flowers.

Four of the Best and Newest

A \$7 Value for \$5.25

(Prepaid 300 Miles.)

Director Carl G. Dahl. I.D. Apricot buff shaded old rose on reverse. \$1.50.

Cherokee Brave. F.D. Ox-blood red that holds its color in the sun. Each, \$2.00.

Darcy Sainsbury. F.D. A fine white Dahlia. Each, \$1.50.

Katie K. I.D. Soft violet rose with lighter veinings. Each, \$2.00.

For Complete Descriptions see Page 89.

For Complete Descriptions See Page 89.

NOT AT STORES

For \$2.00, Seeds totaling	\$ 2.50
For 3.00, Seeds totaling	3.75
For 4.00, Seeds totaling	5.00
For 5.00, Seeds totaling	6.25
And so on.	

Peas, beans and corn in half pound and 1 pound units, but not including other seeds by weight larger than ounces.

To store purchases for any goods.
To mail orders for any other items except those specified above.

Your purchase of packet seeds alone, not counting any other items, must amount to \$2 or more. If your list totals less than \$2, combine it with a neighbor's order to obtain the quantity price. The combined order must be shipped in one parcel, to one address, thus reducing our handling expense, which saving we pass to you.

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DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction	Total Weight,		
Local—Chicago or New York City	7c.	1c. (2 lbs.)	A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.	Amount for Postage	
First and Second Zone within 150 miles of either	8c.	1.c.			
Third Zone within 150 to 300 miles	9c.	2c.			
Fourth Zone within 300 to 600 miles	10c.	3.5c.			
Fifth Zone within 600 to 1000 miles	11c.	5.3c.			
Sixth Zone within 1000 to 1400 miles	12c.	7c.			
Seventh Zone within 1400 to 1800 miles	14c.	9c.			
Eighth Zone all over 1800 miles	15c.	11c.			
				Grand Total	\$

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New Flowers and Specialties - 1941



Dwarf Edging Blue

Culture: A, B, D or E, Page 40

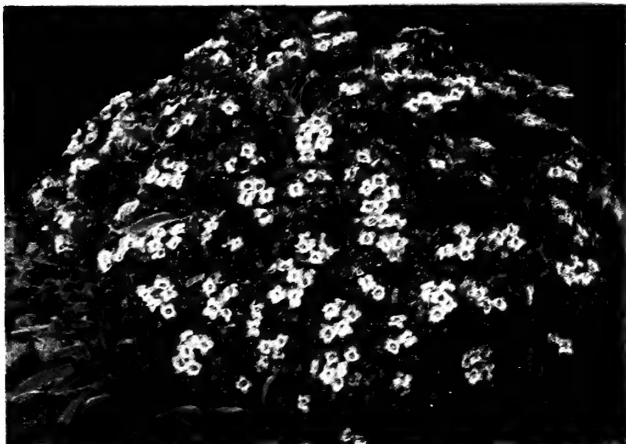
195 Ageratum Midget Blue. □ Three inch globular plants are smothered with Ageratum blue flowers. Most uniform in habit, truest in color yet produced. The best we know for narrow ribbon planting in bed or border foreground. Pkt., 25c.



Crimson Columbine

Culture: B, C, D or E, Page 40

7156 Aquilegia Crimson Star. ① The brightest red Columbine, long spurs and outer petals rich crimson, center petals white. Three-inch flowers on 2-foot stems. Comes true, flowers second year. Pkt., 25c. Plants, 35c; 3 for \$1.00; doz., \$3.50.



Show Your Colors in Garden and Costume!

Culture: A, B, C or D,
Page 40

1517 Centaurea Cyanus Super Double Red, White and Blue Mixed.

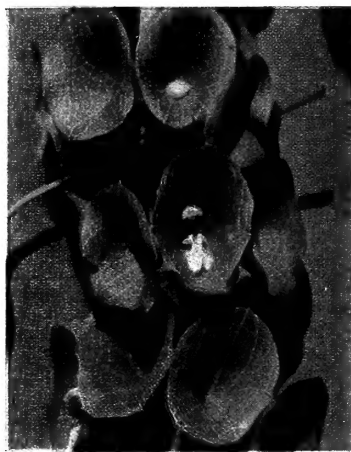
□ Everyone will want flowers in our national colors this year. Here in a balanced mixture are giant Bachelor Buttons, Blue Boy, Snowman and Red Boy which most nearly approximate the hues of Old Glory. In the garden, in arrangements and for men's button holes, they give just the right patriotic accent. Oz., 85c; ½ oz., 50c; pkt., 15c.

1506 Blue Boy.

1509 Snowman.

1508 Red Boy.

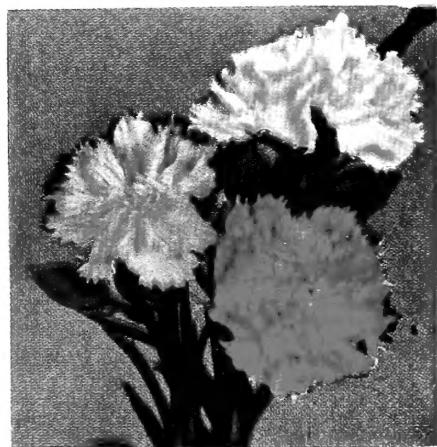
Each of the above, Oz., 85c; ½ oz., 50c; pkt., 15c.



Irish Green Bellflower

Culture: D, E, A or B, Page 40

1138 Bell of Ireland. □ Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.



Carnations in 90 Days

Culture: D, E, A or B, Page 40

1351 J. M. Bridgeford. (Malmaison.) □ From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across, of all Carnation colors, including yellow. Flowers throughout the summer. Pkt., 50c.

True Violet Sweet Alyssum

Culture: A, B, D or E, Page 40

259 Alyssum Violet Queen.

□ One of the most important introductions in the last decade, this is a truly beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom, from early summer to freezing. It flowers in 45 days from seed sown in the open ground. After its second year in our test garden we like it better than ever. It is the best violet all-season edging plant we have seen. Pkt., 25c.



Golden Spider Flower

Culture: D or E, Page 40

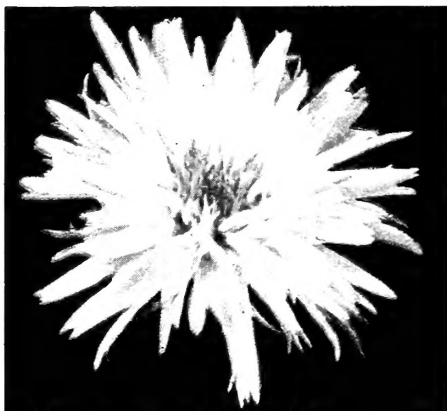
1802 Golden Cleome. □ A new color, rich gold approaching orange, on stems which will grow 8 feet. Crowd plants to keep them low. Fine for border gaps and background. Attractive to bees. Likes full sun and sandy soil. Pkt., 25c.



Vivid Summer Blue

Culture: A, B, D or E, Page 40.

2020 Dwarf Cynoglossum Firmament (Chinese Forget-Me-Not.) □ 16 inches. Sturdy upstanding plants produce more flowers than taller kinds without a rest all summer until freezing. Thrives in poor, dry soil; harmonizes with all colors in bouquets. Pkt., 10c.



Giant Double Shasta

Culture B, D or E, Page 40.

7504 Giant Double Shasta Daisy. ① While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6-inches, and a long flowering season. Pkt., 35c. Plants; each, 35c., 3 for \$1.00



Giant Double Hollyhock

Culture B, D or E, Page 40

7978 Orange Prince. Growing 6 to 8 feet, this magnificent perennial bears giant double yellow flowers, fiery orange center, likes rich soil. Pkt., 25c.

New Colors in Pacific Giant Delphiniums

Culture: B, D or E, Page 40

This scientifically bred group of hardy Delphiniums, pronounced by expert judges as the world's best, has now been developed into definite named color strains.

While these strains are not distinct varieties as well fixed as in the case of annuals, each produces plants closely resembling each other in habit and coloring of their flowers, with a high percentage of the exact type.

All strains of the Pacific Giants excel in the brilliance of their colors, in the supple strength of their wiry stems, in size of florets and length of their flowering spikes. They grow to medium height and seldom need staking.

The white varieties, Galahad and Clear White, are the first white perennial Delphiniums to be produced which come true from seed and equal the blues in height, size and beauty of spike. All Pacific Giant Strains are 65% mildew resistant.

7563 Black Knight. Darkest of all. Flowers 2½ to 3 inches with heavy velvety texture.

7559A Blue Jay. From medium to dark blue with dark bee.

7563A Cameliard Series. This is a pure lavender self, white bee, possessing classical perfection of form in the individual flowers, which are very round and flat.

7560 Galahad. Clear white, highly mildew resistant.

7560A Lancelot. Lilac with white bee.

PRICE, Each of the above, \$1.00 per packet.

7561 King Arthur. Royal violet, large white bee.

7561A Guinevere. Light pink lavender, white bee.

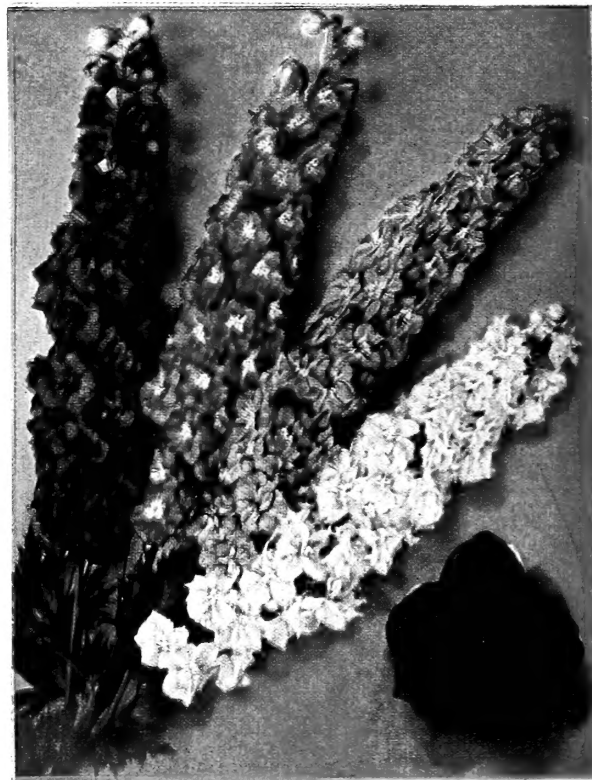
7562 Summer Skies. Light blue with white bee.

7562A Clear White. Of glistening texture.

PRICE, Each of the above, 75c per packet.

Plants of Pacific Giant Delphiniums

Strong 2¼ in. pot plants of Black Knight, Blue Jay, Cameliard, Galahad, Guinevere, King Arthur, Lancelot, Summer Skies or White. Each, 30c; 3 for 85c; doz., \$2.50. Field grown mixed shades or Pure White. 3 for \$1.00; doz., \$3.50.



7559 Round Table Series. As the name implies this represents all of the color combinations of the above Knights and their Ladies. This year some three hundred different crosses were used to make up this group, combining all the newest color developments and possessing size that will make them invaluable for show purposes. Pkt., 75c.

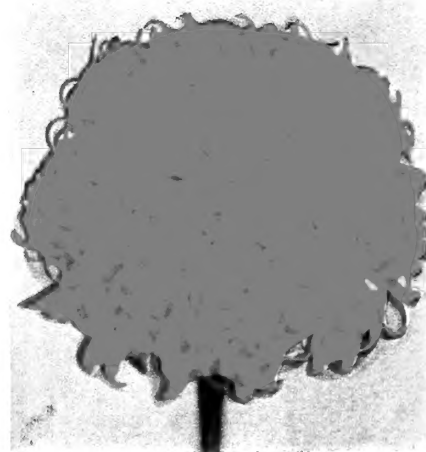
STANDARD COLORS OF PACIFIC GIANTS.

7556 Dark Blue Shades. **7557 Light Blue Shades.**

7558 Pastel Shades. Color range from lavender, generally of two tone combinations with brown or black bees.

7558A Mixed. The three varieties of the above standard sorts.

PRICE, Each of the above, 50c per packet.



These New Marigolds are Best of Their Types

LIKE A CHRYSANTHEMUM.

3153 Goldsmith. The best version of the Chrysanthemum flowered Marigold which blossoms early enough for northern gardens. Globular flower with incurved petals, borne on long base branching stems, 3 feet tall. Won All America bronze medal for 1941. Pkt., 25c.

LIKE A CARNATION.

3152 Orange Supreme. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.



Of Scarlet and Gold

Culture: A, B, C, D or E, Page 40

3173 Marigold Red and Gold Hybrids. □ First cross between African and French Marigolds, they produce (east of the Rockies) double flowers about twice as large as the French type, varying greatly but many combining red and gold markings in attractive patterns. Flowers improve with cool weather and grow larger on Pacific coast. Bushy 2-foot plants, free-flowering, and blooming until frozen. Pkt., 10c.



Glow Red in the Sun

3169A Marigold Scarlet Glow. In the sun this flower does glow and seems redder than any other Marigold. A well fixed Dwarf French double, compact 1-ft. bushes, color a deep maroon. Honorable Mention, All America trials for 1941. Pkt., 25c.



A Miniature Harmony

3170A Marigold Spry. This 1941 All-America silver medal winner is a miniature version of Harmony, growing in compact, 9-inch bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

1941 All-America Winner

First All-Double Blue Petunia

Culture: B, D or E, Page 40

3933 Blue Brocade (All Double Dwarf Victorious). □ Judges in the All-America trials for 1941 gave this variety more points of merit than any other entry, which won for it a silver medal. It is an entirely new color in the All-Double class in which by some secret breeding magic flowers are induced to come almost 100% double in contrast to other doubles, which seldom exceed 50% of the plants produced. The color is a rich deep violet, and the petals of the much-desired velvet sheen and texture. Flowers are fairly large and produced in great abundance on dwarf bushy plants of uniform habit. Seed should be started indoors early. Pkt. (75 seeds), 50c.



Best Small-Flowered White

4003 Cream Star. □ This free flowering Petunia of exceptionally dwarf, compact and uniform growth, is well covered all summer with small flowers of soft creamy white, with deeper cream throat. Gives effect of white in the garden. Pkt., 25c.



Giant Fringed Scarlet

4054 Golden Jubilee. □ A most attractive variety with its fringed, 3½-inch flowers of bright, carmine, tinged scarlet, with golden throat. Pkt., 35c.

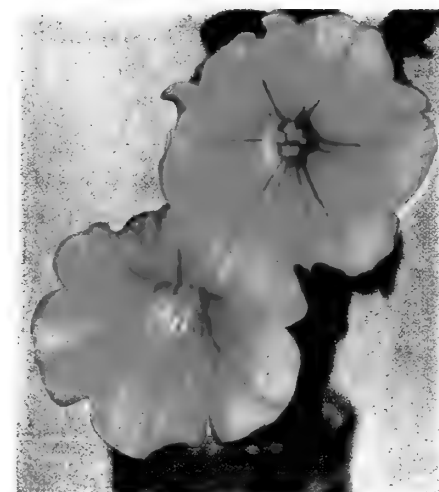


3933 PETUNIA All Double Dwarf Victorious Blue Brocade. 75 seeds, 50c.



Best Small-Flowered Blue

3996 Admiral. □ In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt. 50c.



Best Salmon Pink

4000 Honor Bright. □ The best salmon-pink so far, an improvement over Salmon Queen. The flowers are larger, color deeper, holding well in hot weather. Plants spread over 3-foot circle, blooming abundantly all summer. Pkt., 25c.



New Queen of Pinks

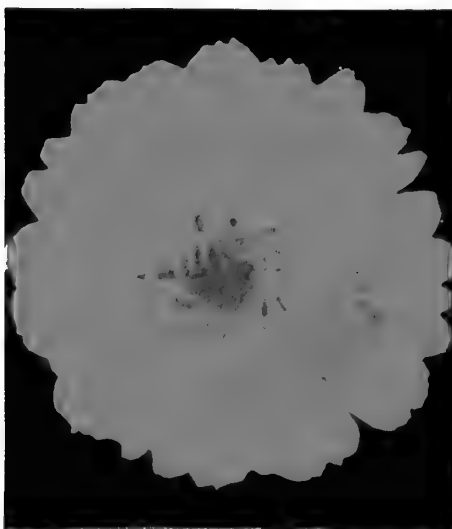
4008 Petunia Dwarf Topaz Queen. □ Most popular of Petunias for bed and border planting are the rose pinks, and this in our judgment is the best. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.



Largest Purple Viola

Culture: A or B, Page 40

5802A Viola King Henry (Purple King). A perennial blossoming the first year. Flowers 1-inch in diameter cover bushy plants 6 inches tall, during a long season. A deep purple violet with lighter center and yellow eye, an effective contrast. Violas have a much longer flowering season than Pansies, and will flower all summer if the faded blossoms are picked off. Pkt., 25c.



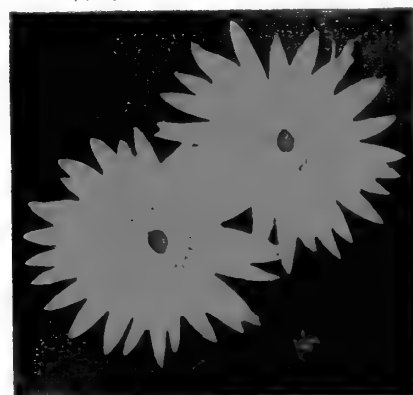
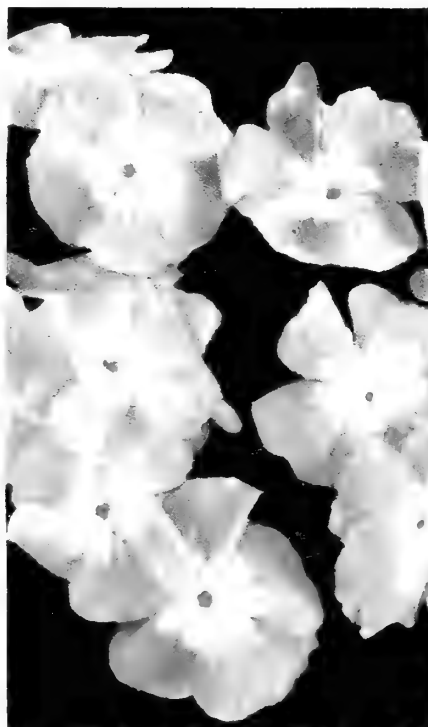
Salvias of Purple and Scarlet

Culture: A, B, D, or E, Page 40

4665 Salvia Indian Purple. A true-violet purple, similar in habit to Scarlet Sage, holding its color and flowers through the hottest summer. Gives striking effects in combination planting. Pkt., 15c.



4667 Vaughan's Masterpiece. Of all the Scarlet Sages, this best combines dwarf and uniform habits with vivid scarlet coloring unfading in the sun. Blooms early, and remains in perfect condition until killing frost. Pkt., 25c.



Pretty Star from Texas

Culture: A, B, D or E, Page 40

4820 Star of Texas (Xanthisma Texanum). □ Bushy 18-inch plants bear these bright yellow Daisies on wiry stems. Sow early in the open, plants bloom freely and like dry, sunny places. Pkt., 25c.

Sky Blue Scabiosa

Culture: A, B, D or E, Page 40

4731 Scabiosa Blue Moon. 4 ft. Large blossoms of conical shape are built up of broad waxy petals of sky-blue tinged with lavender, borne on long, strong stems. They are ideal for cutting. Pkt., 15c.



Glamorous Annual Phlox

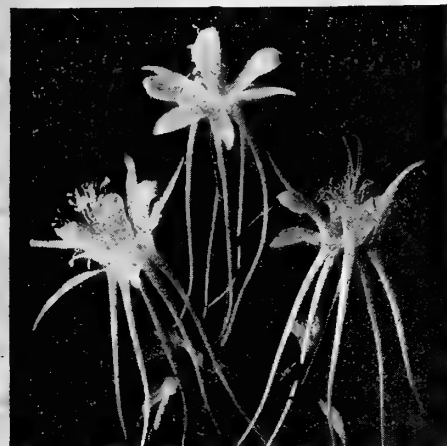
Culture: A, B, D or E, Page 40

4104 Salmon Glory. □ Florets measuring 1½ inches, of pure salmon pink, in heavy clusters. They not only register well in border clumps and bedding masses, but are useful cut flowers. Flower all summer long. Pkt., 20c.

New Giant Crested Zinnia

Culture: A, B, C, D or E, Page 40

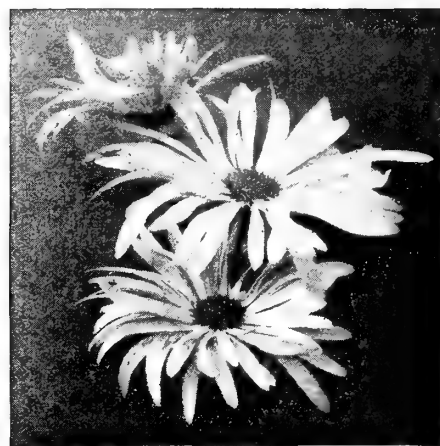
5895 Zinnia Howard's New Giant Crested Mixed. A cross between the giant Dahlia and Scabiosa flowered types, this splendid new strain combines the large size of the first, with the form of the second. Crested centers surrounded by several rows of guard petals present a pleasing variation from the usual Zinnia blossoms, and most interesting for cut flower use. All Zinnia colors—orange, scarlet, yellow, rose, maize, and crimson—are included, 80% being pastel tones. Centers and guard petals are of the same color, and some have petals tipped with a harmonizing tone. A bouquet of these giant flowers is breath-taking. From 60% to 70% true to type. Pkt., 25c.



7144 **AQUILEGIA** Longissima Hybrids,
Pkt., 50c.



7201 **ARABIS** Spring Charm,
Pkt., 35c.



1621 **CHRYSANTHEMUM** Korean Hybrids,
Pkt., 50c.

Ageratums, New Dwarf and Fairy Pink ☐

Culture: A or B, Page 40

- 201 King of the Blues.** Excellent dwarf strain; the flowers are borne in clusters of deepest blue, but stand out individually, showing up most effectively over the miniature foliage. Pkt., 25c.
- 214 Fairy Pink.** A compact dwarf of delightful soft salmon rose pink. It begins to flower when not more than 1½ to 2 inches high and grows until it forms a solid compact mass of blooms. Its maximum height in full bloom is not more than five inches. Pkt., 25c.
- 215 Mexicanum Venus.** Forms a dense bush about one foot high (varies) which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red; a plant in full bloom is very charming. Pkt., 15c.

For other varieties, see Page 41.

Anchusa, of Rich Blue with Sturdy Stems ☐

Culture: A or B, Page 40

- 7064 Riparia.** Sturdy upright plants, branching habit; flowers intense blue, dark and rich that gives the illusion of reflecting light. A perennial that blooms the first year from seed. Pkt., 15c.

Antirrhinums, Rugged Yet Beautiful ☐

Culture: A or B, D or E, Page 40

- 424 Giant Tall, Golden Rod.** The most rugged and most rust-resistant of all Snapdragons. Spikes stand up like rods. Plants are base branching, 26 in. tall with many unusually thick, erect, well-filled spikes of large, bright golden yellow flowers, the edges of which are delicately waved and crinkled. Pkt., 25c.
- 320A Majestic Rose Princess.** Individual flowers are of giant size and the color is a brilliant cerise rose with center overlaid gold. Sturdy spikes of bloom that will make a grand display in the summer border. Pkt., 25c.
- 336 Rust-Resistant Grandiflorum Rosalie.** A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color, which greatly intensifies the depth and richness of color. Plants base branching and produce 6 to 8 huge flowering spikes on which the florets are decidedly well arranged. 2½ ft. Pkt., 25c.

For other varieties, see Page 45.

Arabis, New Carmine Creeper ☐

Culture: B, D or E, Page 40

- 7201 Spring Charm.** This new Arabis is a very charming little spring flower, both for habit and color. It makes a nice bushy little plant of about 8 inches in height, producing the flowers in fine upright spikes. The color is an intense carmine. Pkt., 35c.

For other varieties, see Perennial Pages.

Aquilegias, A New Fragrant Strain ☐

Culture: B, C, D or E, Page 40

- 7144 Longissima Hybrids.** A new race obtained by cross-fertilization with the multi-colored strain of Aquilegia Mrs. Scott Elliott's with the Longissima. These new Hybrids contain all the beautiful hues, in red, blue, white, rose, etc., of the latter, and this feature in conjunction with the unique length of the spurs—nearly as long as in the Longissima type—and broader petals. We may add that they are harder than the type and more lasting as a perennial. Pkt., 50c; Plants, each, 35c; 3 for \$1.00.

- 7166 Suaveolens.** 25 in. A rare perennial from the Himalayan Mountains. Flowers a delightful blending of cream and lilac with a sweet rich perfume. Lacy foliage. Blooms in Summer. Pkt., 25c.

For other varieties, see Perennial Pages.

Asters, New Annual and Hardy ☐

Culture: B, C, D or E, Page 40

- 7222A Frikarti (Wonder of Stafa).** Long rayed lavender blossoms of immense size carried on bushy plants. In bloom all summer and fall. Cuts well. Seedlings will show some variation. Pkt., 20c.

PRINCESS TYPE WILT RESISTANT ☐

Culture: A, B, D, or E, Page 40

They have a full crested center surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers, 18 in. to 24.

- 625 Princess Anne.** Opens up delicate pink and turning to rose pink as they mature. A regular peach bloom shade. Pkt., 25c.
- 626 Princess Bonnie** A beautiful soft salmon rose shade with the center rich gold while opening. Large flowers on long stems. Pkt., 25c.

Aubretias, Two Improved Strains ☐

Culture: B, D or E, Page 40

One of the daintiest and most delicately beautiful of creeping plants.

- 7230A Semi-double Hybrids.** Produces 75% large semi-double flowers in all known colors of this family and many new art shades. Pkt., 50c.
- 7232A New Giant Flowered.** All full petalled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Highly recommended. Pkt., 50c.

Caryopteris, is Uncommon Cut Flower ☐

Culture: A or B, Page 40

- 7373 Mastacanthus Mixed.** Uncommon cut flower for fall. Tender perennial, treat as an annual, seed sown in spring will bloom in September and October. Clusters of Spiraea-like flowers in whorls at intervals along graceful stems. Silvery green foliage. Pkt., 15c.

Celosia, with Rich Crimson Combs ☐

Culture: A or B, D or E, Page 40

- 1472 Royal Velvet.** 2 ft. Produces center head and numerous long-stemmed cockscombs of richest carmine, or crimson, on basal branches. The combs are borne erect, foliage bronzy green with reddish margins. Pkt., 25c.

For other varieties, see Page 50.

Chrysanthemums, You Can Grow from Seed ☐

Culture: A or B, D or E, Page 40

- 1621 Korean Hybrids.** A new race of hardy single Chrysanthemums in a variety of colors. The outstanding feature is their hardiness. Will bloom the first year from seed. Pkt., 50c.

On Our Front Cover

ANNUAL DIANTHUS

- (1) 2251 Double Sweet Wivelsfield
- (2) 2293 Double Snowdrift
- (3) 2240 Splendens. Crimson
- (4) 2295 Rosalind. Double rose
- (5) 2239 Salmon King. Double
- (6) 2296 Midnight. Double red
- (7) 2196 Salmon Queen. Single
- (8) 2280 Lucifer. Double orange
- (9) 2299 Nobilis. A splendid mixture of single pink
- (10) 2238 Crimson Belle. Single
- (11) 2298 Diadem. Double pink
- (12) 2241 Vesuvius. Single scarlet

Each of the above per packet, 10c; any 3 pkts., 25c; or 6 pkts., 50c.

2301 Vaughan's Special Mixture of Annual Pinks as shown on cover. Pkt., 25c; 3 pkts. for 60c.

Official List 1941 "All-America" Selections

SILVER MEDAL		BRONZE MEDAL	
3933	Petunia All Double Dwarf Blue Brocade. Pkt., 50c.	4103A	Phlox Dr. Gigantea Rosy Mom. Pkt., 25c.
3989	Petunia Radiance. Pkt., 25c.	6071	Zinnia Black Ruby. Pkt., 25c.
3170A	Marigold Spry. Pkt., 25c.	3153	Marigold Giant Chrys. Fld. Goldsmith. Pkt., 25c.
4009	Petunia First Lady. Pkt., 25c.	HONORABLE MENTION	
		4023A	Petunia Violet Gem. Pkt., 25c.
		4738	Scabiosa Peace. Pkt., 25c.
		3169A	Marigold Scarlet Glow. Pkt., 25c.

Calendulas, Bigger and Shaggier □

Culture: A or B, D or E, Page 40

1200B Yellow Colossal. Most profuse blooming of all large-flowered Calendulas. The well-formed bushy plants grow 18 in. high and are loaded with flowers. The flowers are extremely double, 4½ inches and more across. The long, gracefully curved petals are a clear, bright yellow. Plants begin blooming in 18 weeks and continue to bloom profusely for three months. Pkt., 25c.

1203A Yellow Shaggy has the deepest flower heads of all Calendulas. Flowers are so deep they are globular, 3 in. across. The petals are quilled and deeply cut on the ends giving a shaggy and artistic appearance. Flowers are a bright clear yellow with lighter center, which is nearly covered by the mass of petals. They are borne on very long stems and are excellent keepers. Plants grow 1½ ft. Try sowing Calendula seed again in July. The plants develop rapidly, are soon in bloom and last until frost. We tried it successfully in our Trial Grounds this summer. Pkt., 25c.

Campanulas, of Rambling Habit ①

Culture: B, D or E, Page 40

7354 Punctata. 28 in. Plants form rambling foliage mats from which arise flower stalks of varying height from which hang big, pendant bells not unlike a Foxglove, which are waxen without, downy within. Colors range from translucent creamy pink, through lilac to purple. Pkt., 20c.

Centaureas, Hardy, You Never Knew ①

Culture: B, D or E, Page 40

7428 Hardy Perennial Mixed. A mixture made by one of our growers, containing not less than thirty of these hardy Centaureas. A real treat is in store for those who plant this mixture as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

Coleus in Brilliant Mixture □

Culture: D or E, Page 40

1864 Glory. A mixture of colors never seen before, such as bronze, pink, apricot shades, cream, etc. A remarkably fine strain; it is unequalled for the beautiful form and coloring of its large leaves. Pkt., 35c.
For other varieties, see Page 49.

Convolvulus is the Bluest Annual □

Culture: A, B, D or E, Page 40

1922 Royal Ensign. Is deep bright ultramarine blue; the deepest and brightest color of all blue annuals. The plants are fairly covered with their attractive blossoms all summer. Use for edging and borders. Pkt., 20c.

For other varieties, see Page 60.

Coral Flower is Floral Jewel □

Culture: A or B, Page 40

1996 An annual of jewel-like daintiness, vivid coloring and very decorative spoon-shaped thick leaves. Many stems growing some 30 inches tall and bearing, in loose alternate clusters, little five-pointed blossoms of luminous pink; then come airy long hanging capsules each like a bead of polished coral. Hundreds of them on each spire-like stem. Full sun, easy to grow, but seed waits until soil is warm before sprouting. Pkt., 20c.

Coreopsis, Giant Double Flowers ①

Culture: B, D or E, Page 40

7493 Grandiflora Double Sunburst. Much of the beauty of summer gardens is due to the brilliant golden yellow of the Coreopsis. There is nothing that can take its place when yellows are so scarce. The flowers are double, 1½ to 2 in. across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c. Plants, each 35c; 3 for \$1.00.

For other varieties, see Perennial Pages.

Dianthus, New Double Salmon Pink □

Culture: A, B or D or E, Page 40

2237 Heddewigii Chabaud Hybrid, Salmon Shades. This handsome plant is a new break and quite unique in the Dianthus family, being the result of a cross made several years ago between D. Heddewigii and the Perpetual Carnation Chabaud. The result is a very fine race of Dianthus which can be warmly recommended, not only for bedding, but also as a cut flower. The plants branch from the base and throw up sturdy stems 12 to 16 inches high, crowned by large double flowers 2½ to 5 inches across in various beautiful shades of salmon. Pkt., 20c.

For other varieties, see Page 52.



7242 DESERT SUNRAY (BAILEYA Multiradiata.) Pkt., 35c.

Desert Sunray, Thrives in Drouth □

Culture: A or B, Page 40

7242 Baileya Multiradiata. Charming flowers, with a thrifty, cultivated appearance like that of a garden flower. The plant is a foot tall with greyish-green woolly stems and foliage, and the handsome flower is an inch and a half across, with a fine ruffle of many bright yellow rays, prettily scalloped, and a yellow center, rather deeper in color. Pkt., 35c.

Dianthus Growing 40 Inches Tall ①

Culture: B, C or D, Page 40

7579A Carthusianorum Giganteus. The tallest Dianthus we know, established plants bearing clustered blossoms of crimson pink opening from varnished mahogany buds on stems fully 40 inches. Pkt., 25c.

Dianthus Barbatus, New Sweet Williams ①

Culture: B, D or E, Page 40

7716 Superb Mixture of New Colors. One of the most satisfactory perennials. Seed germinates readily and the second year a bed of them will be a mass of bloom in new and interesting colors. Pkt., 25c.

7688 Midget Single Mixed. 3-4 in. The habit of this Sweet William Dwarf Alpine Mixed is very uniform, each plant being about the same size, both in height and circumference. Our blend contains a wonderful color balance. The blooms, which almost entirely cover the foliage, are large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored. Pkt., 25c. Plants, 3 for 85c.

7659 Homeland. In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome. "Homeland" is of a most unusual color, dark red with large sharply defined clear white center. Pkt., 35c.

For other varieties, see Perennial Pages.

Shasta Daisies with 7-inch Flowers ①

Culture: B, D or E, Page 40

7464 Diener's New Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2½ to 3 ft. long. Originator's seed. Pkt., 50c. Plants, each 35c; 3 for \$1.00.

7463 Diener's Fancy Chiffon Shasta Daisy Glendale. The flowers are 2 inches across and have fringed and lacinated petals, interlaced. Pkt., 25c.

For other varieties, see Perennial Pages.

Digitalis (Foxglove) of Odd Habit ①

Culture: B, C or D, Page 40

7770 Orientalis. Blossoms of silvery down, on cream, all overlaid with an even netting of chestnut brown. The flowers are carried at right angle with the stem, and each has a long extended lower lobe. An odd and attractive species. An enduring perennial. Pkt., 25c.

Geum of Brilliant Orange ①

Culture: B, C or D, Page 40

7854 Coccineum Prince of Orange. This is a true rich orange. Plant of sturdy habit with long stemmed flowers. They bloom early the second year from seed and continue in flower all summer. Pkt., 25c.

GOURD Crown of Thorns, See page 54.

Hebenstreia are Fragrant at Dusk □

Culture: A or B, D or E, Page 40

2692 Comosa. 18 in. Produces spikes which bear innumerable quaint white flowers with orange-scarlet blotches set close together, giving the impression of tall Mignonette plants. In the evening the flowers exhale a delicious perfume, making them particularly valuable for planting near the windows of a house. The elegant habit and delicate coloring render this plant an ideal subject for summer bedding. Pkt., 15c.

Heucheras (Coral Bells) Improved ①

Culture: B, D or E, Page 40

7944 Hoodacres Hybrids. These are the result of 14 years of selection. Very vigorous and prolific. The bells are much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades. Pkt., 35c.

For other varieties, see Perennial Pages.

Hibiscus with Giant Red Flowers ①

Culture: B, D or E, Page 40

7967 Jumbo Red. This is the true strain of Giant Flowered Hibiscus. The flowers are of intense brilliancy, extra large size and far superior to the ordinary. Pkt., 15c. Plants, each 35c; 3 for \$1.00.

Hollyhocks of Newest Strains ①

Culture: B, D or E, Page 40

8018 Double Begonia Flowered Pastel Mixture. Grows about 5 ft., flowers 5 inches across, with fringed edge. Pkt., 25c.

8007 —Mixed "Souvenir de Madam Perrin." Semi-double flowers, good placement, wonderful color range. Pkt., 25c.

Ipomoeas, Morning and Moon Glories □

Culture: A, B, C, or E, Page 40

2911 Purple. Interesting large flowers of rich velvety purple cover the vines all summer. Pkt., 15c.

2920 Super Giant Japanese Mixed. A wonderful advance in size of bloom over existing varieties. They are fully seven to eight inches in diameter, in many charming and delightful shades. Pkt. (12 seeds), 50c.

Iris, Fragrant, from Seed ①

Culture: B, C, Page 40

8091 Dichotoma (August or Vesper Iris). Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet-purple with markings of buff, orange, copper, brown, mahogany, and rose. Seed sown in early spring while soil is cool will germinate quickly and strongly. Usually a fair proportion will bloom the first summer. For interesting effects try this with Blackberry Lily offered in general Perennial seed list. Pkt., 20c.

For other Iris, see Page 79.

Lace Verbena (Zaluzianskya Villosa) □

Culture: A or B, D or E, Page 40

2973 Individual florets grow about ½ inch across and are so shaped as to resemble a snow crystal; most interesting and unusual. They are of a pleasing lavender color distinctly set off by a star-like spot of orange at the center. Low spreading plants 8 inches high. Long blooming season. Pkt., 20c.

Larkspurs of New Colors □

Culture: A or B, D or E, Page 40

2174 Giant Imperial Montrose. The color is a clear rose-pink. The florets are exceptionally large, well and closely set on wiry spikes that are three to four feet long. Pkt., 20c.

2176 Giant Imperial Rosalind. Rose with just enough suffusion of salmon to create a most pleasing new shade of rose-pink. The spikes are wiry and the blooms practically non-shattering. Pkt., 20c.

For other varieties, see Page 57.

Lepachys is a Prairie Wildling ①

Culture: B, D or E, Page 40

8098 Maroon and Gold. Extraordinary plant, decidedly attractive and interesting, the flower-heads are little silky columns set successively with tiny blossoms and guarded at the base by wide petal-rays of richest maroon, gold-edged or rarely of all bronzy color. Blooms from seed the first year. Pkt., 15c.

Liatris, White Gayfeather ①

Culture: B, D or E, Page 40

8117B Scariosa Alba. Stocky, almost bushy, it grows several full-flowering stalks two and one-half feet high. The stems branch freely, the lower ones being the longer, and the flowers are attractive white pompons thickly studding the main stalk as well as the branches. The chief resemblance to the Liatris family is in the habit of blooming, for the top buds open first and then gradually down the stem. Valuable as garden and cut flower. Pkt., 35c.

For other varieties, see Perennial Pages.



3156 MARIGOLD Wildfire. Pkt., 10c.

Latest Marigold Creations □

Culture: A or B, D or E, Page 40

3143 Chrysanthemum Flowered Incurred Mixed. Identical in form with incurved Chrysanthemum. Plants floriferous, stems strong, deep orange to light yellow flowers. Pkt., 20c.

3141 Crown of Gold. The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant, 2½ feet tall. Pkt., 20c.

3181 Dwarf Royal Scot All Double. A new strain, with dwarf bushy growth, 10 to 12 inches. Color a rich mahogany and gold in uniform stripes. Pkt., 20c.

3184 Ferdinand. 20 to 24 in. Tall Single French of the Harmony type. Single flowered with a neat, round center of dainty tubular florets in an arresting shade of golden yellow, surrounded by a single row of broad, mahogany-red guard petals. While the flowers are of only medium size, 1½ to 1¾ inches in diameter they are extremely gay in appearance. Pkt., 15c.

3127 Limelight. A new color, of pale primrose yellow or deep cream, in the Dixie Sunshine or incurved Chrysanthemum-flowered type. Early-flowering, stronger growing than Early Sunshine and darker free foliage. Not odorless. 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3163B Yellow Pygmy. Light lemon-yellow, Lilliput French double, growing only 8 in. tall and compact. Small, 1¼ in. blooms, rather free and exciting for edging beds. Dwarfier than Lemon Ball and similar to Primrose color in this group. Pkt., 15c.

3154 Vaughan's Treasure Chest. 2½ to 3 ft. Remarkable for its wide color range and extremely high percentage of fully double flowers. Colors run from deepest orange through varying and unusual tones of golden orange, golden, golden yellow, lemon-yellow, buff-yellow to lightest primrose. Flowers are of many shapes, some ball, some Chrysanthemum-like but mostly of the Carnation and Peony-flowered forms. They are large, many 5 in. across, with the average somewhat over 4 in. Some begin to bloom early, some midseason and others late, which makes for a long flowering season. Pkt., 25c.

3149 Tom Thumb Golden Crown. Golden yellow flowers, of the Carnation type and firm substance, are produced in great abundance, often 25 to 30 on a plant. Fine for front row of border. 10 in. Pkt., 15c.

3156 Wildfire. 14 to 20 in. Cross between African and French Marigolds. Flowers 2 to 3 in. across in full range of colors found in the French type, vary in shape and markings. Will bloom within eight weeks from time seed is sown and flower until frost. Pkt., 10c.

Linum is Bigger and Bluer ①

Culture: A, B or C, Page 40

8127 Narbonense Heavenly Blue. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Planted in masses gives a really charming effect. Blooms from seed the first year. Pkt., 25c.

Physalis, Giant Jap Lantern ①

Culture: B, D or E, Page 40

8346 Gigantea. The attractive orange-scarlet balloon-shaped seed pods are very large and will make excellent winter decorations. Pkt., 20c.

For other varieties, see Perennial Pages.



3934 PETUNIA All-DoubleTypeMixed. Pkt., 50c.

8432B PYRETHRUM Double Pink. Pkt., 35c.

4103A PHLOX Rosy Morn. Pkt., 25c.

Petunias New Colors and Types ☐

Culture: Small Flowered, A or B, D or E; Large Flowered, D or E, Page 40

ALL-DOUBLE VARIETIES

- 3936 **Amaranth Red.**
 3937 **Appleblossom.** True appleblossom pink
 3938 **Blue Brocade.**—See page 7 All America Silver Award 1941.
 3939 **Dwarf Carmine Glory.** Peony-flowered.
 3942 **Dwarf Giant-Fringed Loveliness.** Clear pink.
 3938 **Dwarf Rose-Carmine (World Beauty).** Fringed.
 3943 **Gaiety.** Rose-red and white, frilled flowers.
 3944 **Orchid Beauty** Light lilac veined violet.
 3945 **Velvety Purple.** Rich true purple.
 3941 **Snowball.** Dwarf, pure white fringed.
 Each of the above All Double Petunias, pkt. (75 seeds), 50c.
 3934 **Dwarf Giant Fringed Mixed (Victorious). (Vaughan's Formula Mixture.)** The flowers are very large, exquisitely ruffled and fringed and contain a good range of brilliant colors. Pkt. (100 seeds), 50c.

OTHER TYPES OF PETUNIAS

- 3957 **Adora.** The plant is dwarf and bushy, seldom more than 10 inches, making a ball smothered with small but beautiful flowers. The color is a lovely rosy carmine with pure white star which regularly marks every individual flower. Pkt., 25c.
 3998 **Blue Ball.** Dwarf, Velvety violet blue excelling Blue Bird and Alderman by its earlier flowering habit and being more dwarf and erect of growth. Pkt., 25c.
 4073 **Blue Beauty.** A late flowering, clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering. Pkt., 35c.
 4013 **Blue Gem** is a real dwarf type with perfect ball shaped growth. Flowers true violet blue. Pkt., 25c.
 4057 **Burgundy.** Large-flowered, 3½-inch blooms, purple or carmine with white throat, violet veins. Pkt., 30c.
 4009 **First Lady.** Is the clearest pink in all existing varieties of Petunia; a new color of light pink. The individual flower measures over 2½ inches across; very free flowering. Makes dwarf bushy, ball-shaped growth and of the robust easy grower. Has very long flowering season as it continuously throws out the blooms from spring to frost. Strong sun cannot burn the beautiful color. Pkt., 25c.
 4060 **Hybrida Grandiflora Columbia.** Pleasingly attractive large pink and white flowers. Upright habit. Excellent border plant and fine for cutting. Pkt., 25c.
 4049 **Dainty Lady.** A large-flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. The plants are semi-dwarf and free-flowering, bearing medium sized, delicately fringed flowers. Pkt., 35c.
 4064 **Giant Blue Star.** Probably the best blue starred Petunia in large flowering group. Gigantic in size and regularly white starred on rich velvety violet-blue ground. The growth is strong and the blooms are abundant. When the plants have passed their prime or if insufficiently fertilized, like other star colored Petunia, the marking becomes less conspicuous. Pkt., 50c.
 4074 **Giant Rose Beauty.** Habit quite distinct, the branches extending laterally from the base about eight inches and then curving upward producing a round bowl. Flowers are large and ruffled measuring 4 in. or better when in full bloom with a medium large deep golden throat. Pkt., 25c.
 4007 **Glow.** A dwarf bushy plant covered with flowers 2½ inches across of a dazzling carmine red. The richness of color excels all other existing varieties of a similar type. Pkt., 25c.
 4022 **King Henry.** Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.
 4010 **Little Blue Star.** The ground color is about the bluest in Petunia and are regularly starred with pure white. This is very dwarf and compact making ball shape and is very much free flowering. Pkt., 25c.

PETUNIAS—Continued.

- 4033A **Miniature Violet Gem.** A true miniature in every respect. The plants are neat, dwarf and compact. The blooms are just the size you would expect to find on this type of plant, free blooming almost to a fault, because throughout the season the rich violet blue blooms are so plentiful that they all but completely hide the clean, dark green foliage. The plants maintain their dwarf and compact miniature form surprisingly well all season. Pkt., 25c.
 3989 **Hybrida Radiance.** A cerise rose with enough underlying salmon to remove the harshness, commonly found in a cerise rose, without losing the brilliance, in fact seeming to intensify it. The throat is golden yellow below where the bloom starts to flare. This tends to add warmth and life to the general color. Silver Medal All America Award 1941. Pkt., 25c.
 4095 **Silver Lilac.** Dwarf giant single fringed type. On plants 10 inches tall of compact habit the bright silvery lilac blue flowers appear. These are as large as 3½ inches across with fringed edges and are without veining making them a clear silvery lilac tone. Pkt., 50c.
 4080 **Violet Blue.** Extra dwarf grandiflora single fringed variety. True velvety violet-blue which comes quite true to color. Usually the blue and violet-blue strains of Petunia show some percentage of light colors. This strain is entirely different and tests show no light shades at all. Pkt., 35c.
 4068 **Violet Queen.** It is a dwarf large flowering and outstanding strain. Plain edged. True velvety violet. Pkt., 35c.
 4011 **White Perfection.** This is one of the best white Petunias in existence. They are compact in growth with abundant snow white flowers, which profusely cover the plants. The individual flower measures about two inches across. Pkt., 25c.

Phlox, New Giant Annuals ☐

Culture: A, B, D or E, Page 40

- 4103A **Gigantea Rosy Morn.** An extremely refreshing, gay and bright color combination of rose pink with a white eye. Somewhat the same color combination as found in the long popular Petunia Rosy Morn except that the rose pink in the new Phlox is much deeper, providing a color that will not fade in the strong sun. When grown in favorable conditions the blooms will be larger than a fifty-cent piece. Bronze Medal All America Award 1941. Pkt., 25c.
 4116 **Grandiflora Cinnabar Scarlet.** The brightest red in this gay family. If you are planning a Red, White and Blue combination in your garden this year be sure and use this for the red. Pkt., 20c.

Pyrethrums, Double and Giant Singles ①

Culture: B, D or E, Page 40

- These large flowers, well named "Painted Daisies," blossom with the tall Iris and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.
 8438 **Robinson's Hybrids.** A selection made by an English specialist, with a fine color range of single overlapping petals carried on long stiff stems. Pkt., 25c.
 8438A **Robinson's Dark Crimson.** A selection from above. Pkt., 25c.
DOUBLE
 Come about 60 to 70 % true double; balance will be semi-double and fine single sorts. The second year the percentage of doubles will be higher.
 8433 **Double Blood Red.** Pkt., 50c. 8433A **Double Sulphur.** Pkt., 50c.
 8432B **Double Pink.** Pkt., 35c. 8434 **Double White.** Pkt., 50c.
 8434A **Double Salmon.** Pkt., 35c.
 For other varieties, see Page 80.

Pentstemons in Pleasing Array ①

Culture: B, C or D, Page 40

- 8338 **Hardy Perennial Blend.** Pentstemons are one of the most satisfactory of perennials. This mixture contains many interesting varieties that are not listed separately and will be a pleasing addition to your perennial collection. Pkt., 25c.

Poppy, New Red Iceland ①

Culture: B, D or E, Page 40

8272 Nudicaule Cardinal. In the Iceland Poppy varieties, the red color was long missing. This variety is a beautiful clear brilliant cardinal-red. The flowers are carried on long and strong stems. Cut in bud-stage, the flowers will keep for a long time. Pkt., 25c.

8291 Nudicaule Gartford Giant Art Shades. This new Art Shades mixture is indeed an excellent strain with exceptionally fine large flowers, beautifully fluted and soft textured, carried on extremely long heavy, wiry stems. The color range includes lovely pastel shades. Pkt., 25c.

For other varieties, see Perennial Pages.

Rudbeckias, "Gerberas of the North" ①

Culture: B, D or E, Page 40

8465 Herbstwald Autumn Tints. 2 ft. A perennial which blooms the first year, from seed sown in March, furnishes admirable cut flowers until late fall. Large starflowers of fiery autumn coloring resembling Gerberas. They prefer a sunny location, and are called "Gerberas of the North." Pkt., 25c.

Salpiglossis, Dwarf Giant Flowered □

Culture: A or B, Page 40

4620 Dwarf Giant Flowered, Mixed. These have a compact branching habit, with individual flowers half again as large as the Emperor type. Ideally suited for bedding purposes as they cover the entire head of the plant with blossoms. Pkt., 20c.

For other varieties, see Page 68.

Salvia with Blue Fringed Blossoms □

4635 Carduacea. A pretty little annual Salvia with dainty fringed sky blue blossoms, wavy edged, carried in many cushion-like whorls of thorn-set silvery gossamer. Sow seed very early in spring or late in fall. Flowers in late spring and early summer. 18 in. Pkt., 20c.

Schizanthus in World's Best Strain □

Culture: A or B, D or E, Page 40

4753 Vaughan's Dwarf "Masterpiece." This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet, all with conspicuous blotches. Pkt. (100 seeds), 50c.

For other varieties, see Page 68.

Scabiosas, New Hardy Giants ①

Culture: B, D or E, Page 40

8494A Caucasic Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender to dark blue and some pure white. Pkt., 25c.

8496 Fischeri. 2½ ft. Of Manchurian origin, easy to grow, and a long lived perennial. Flower is 2½ inches across, of beautiful blue-purple. Pkt., 25c.

8496A Webbiana. Large fluffy flowers of pure true cream, splendid hardy variety always in bloom. Cuts well. Neat foliage, blooming June to November. Pkt., 20c.

ANNUAL VARIETIES □

Culture: A or B, D or E, Page 40

4744 Heavenly Blue. A distinct and lovely azure-blue annual variety, very early flowering and exceptionally free. Plants are dwarf, 18 in., bushy and loaded with rather short but wiry stemmed, high crowned double flowers, suitable for bedding and lower cutting arrangements. Pkt., 25c.

4738 Peace, Semi-Tall Large-Flowered Double. The delightful flowers are 1½ to 2 in. across, of perfect form, almost spherical in shape; pure white without any tinge of pink or mauve. Sturdy, vigorous, 2-ft. Honorable Mention All America Award 1941. Pkt., 25c.

For other varieties, see Page 68 for Annuals, and Perennial Pages for others.

Sunflowers are Much Improved □

Culture: A or B, D or E, Page 40

2713 Sun Gold. New, brilliant golden yellow large double globe shaped flowers. Free blooming, 100% double, even and true shape. 4 to 5 ft. Pkt., 15c.

Stocks, New Giant Column □

Culture: A or B, Page 40

4952 Double Giant Column Gardenia. With superbly formed, magnificent spikes composed of individual florets 2" to 2½" in diameter, this remarkable new Giant Column Stock is indeed the last word in perfection for its class. Shimmering, glistening white, the flowers are the purest snow white of any stock variety yet introduced. Producing only one flower spike to a plant, this spike will however be of enormous size, 12" to 15" of florets and nearly 3 feet in length, and 4" or even 4½" in depth, with the individual florets closely and compactly placed on the stem. Pkt., 50c.

Sweet Peas, New Early Large Flowered

Culture: A, D or E, Page 40

New Spring Flowering Spencer (Intermediate). Most vigorous and productive, heat resisting varieties. Winners in the All-America award last year.

5278 Blue	5279 Lavender	5281 Mauve
5276 Clear Pink	5280 Light Lavender	5277 Rose Pink

Each of the above per pkt. (30 seeds) for 20c, 3 pkts. for 50c.

Thalictrum with Purple Flowers ①

Culture: B, D or E, Page 40

8542 Aquilegifolium Purpureum. A fine new Meadow Rue with graceful foliage and interesting purple flowers. 40 in. Pkt., 25c.

Thermopsis Likes Dry Summers ①

Culture: B, D or E, Page 40

8548A Montana. Bright golden yellow flowers in June and July. Sow seeds in April outdoors in a sunny well drained position. 1 to 2 ft. Pkt., 50c.

Jithonia, Early with New Colors □

Culture: A, B or C, Page 40

5642 Avalon Earliest. The big, long-stemmed blossoms range from orange topaz through tangerine to those with burnished oversheen of scarlet fire. Sow the seeds right where the plants are to stand, making the sowing after the soil is warm and the weather reasonably settled. By mid-July the plants will be in bloom full then till frost. Pkt., 25c.

For other varieties, see Page 70.

Trollius with Giant Flowers (Globe Flower) ①

Culture: C, Page 40

8552 Giant Devonshire. The flowers are 2 to 3 in. across of a glistening glowing orange. The plant is perfectly hardy. Grand for cutting and fine for border grouping. 3 to 4 ft. Pkt., 50c.

Verbenas, Dwarfs and Giants □

Culture: A or B, D or E, Page 40

5748 Blue Sentinel. A dwarf variety of rich navy blue with medium size florets and trusses. Plants are 10 to 12 inches high and compact; the trusses are held erect above the foliage. Pkt., 20c.

5736 Crimson Glow. A pure glowing crimson without an eye, first of this color in the Hybrida class, rounding out the color range. Pkt., 20c.

5699A Gigantea Brilliant. The color is a rich, deep flame rose, with a medium sized white eye. The white eye helps to bring out the intense flame color in the rose. Pkt., 25c.

5751 Fern Leaved (Bipinnatifida). Entirely new form. Plants grow 18 inches, spread over two square feet, with ferny, feathery gray-green foliage; covered by clusters of lavender-blue flowers, resembling sprays of lilac Candy-tuit. Pkt. 25c.

Culture: B, D or E, Page 40

8566A Bonariensis. ① The plants attain a height of about 4 feet and produce masses of rosy-violet flowers. We have raised this from seed and have found it comes quite true. We recommend this Verbena as a grand addition for the back of the herbaceous border. Pkt., 15c.

For other varieties, see Page 71.

Violas, Black, Blue and Yellow ①

Culture: A or B, Page 40

5811 Calcarata. A long-stemmed variety of grace and beauty. Makes dense wide cushions set above with flowers early and late. A royal indigo with radiate pencillings, but there will also be purple, cream or rare pink lilac. Pkt., 20c.

5796A Jovi. In full flower by early April, before its own leaves appear. It is then a cushion mound of pink lilac, hundreds of blossoms in a veritable color-turf of their own making. Usually reblooms in autumn. Sometimes called Jewel Violet. Pkt., 25c.

5811A Nigra or Black Imp. Quaint little flowers that might have been snipped from black velvet. It is about the closest to black of any flower, merest hint of violet reflection, and it comes true from seed. Of exceeding floriferousness. May be naturalized effectively. Blooms quickly first year from seed, putting on a three-month show. Pkt., 25c.

5812 Saxatilis. Myriad flowers carried well over the low, spreading plants. There will be golden yellow, lemon, lavender, mauve and rosy lilac, but perhaps most plentiful, and most endearing, are the two-tone flowers, where a mellow honey-gold melts into smoky purple-violet. Easy from seed, blooming quickly and freely first year. Pkt., 25c. For other varieties, see Page 74.

Verbesina is a Willing Bloomer □

Culture: A or B, Page 40

5768 Encelioides. A showy and easy annual that doesn't know when to stop blooming. Big single, butter-yellow Daisies with irregular petals. Pkt., 15c.

Zinnias of Improved Strains □

Culture: A or B, D or E, Page 40

5901 Super Crown of Gold Pastel Tints. Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c.

5892 All Giant Indian Summer Mixed. Only the bright warm colors of the Dahlia flowered and California Giants are included in this mixture. The colors are scarlet, orange, yellow, white, cherry and salmon-rose; as rich and mellow as a maple grove in autumn. Pkt., 25c.

6050 Lilliput Tom Thumb Mixture. Plants grow only 4 to 6 inches tall, very compact, covered with flowers of red, orange, yellow, pink and other pastel shades. ½ oz., 50c; pkt., 15c.

For other varieties, see Pages 72, 73.

Vaughan's Bent and other Fancy Grass Seeds

Bent Lawns From Seed

ASK FOR OUR BENT LEAFLET

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

For a long time the planting of Creeping Bent stolons was the only way known to obtain a turf of pure Creeping Bent. Then Creeping Bent which produced seed was found growing wild on the Pacific coast.

It is cheaper to grow Creeping Bent from seed and the varieties grown from seed do not spread so fast as the varieties grown from stolons, and, therefore, do not require so much cutting. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT

Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT

This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent. It is very popular along the coastal sections of the country.

Creeping Bent Stolons. Produce a fine turf in one season but must have several top dressings a year and frequent mowing. For \$16.00 we will send you enough to plant 1,000 square feet. 300 sq. ft. for \$9.25; 250 sq. ft. for \$5.25. Transportation charges extra. Plant during May or June, or latter part of August to the latter part of September.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

OUR BENT LEAFLET IS INCLUDED IN EACH BAG

★**ASTORIA BENT GRASS.** Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.35; 5 lbs., \$5.50; 10 lbs., \$10.75; 15 lbs., \$15.75; 25 lbs., \$25.00.

★**SEASIDE CREEPING BENT GRASS.** Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.10; 2 lbs., \$2.20; 3 lbs., \$3.20; 5 lbs., \$5.25; 10 lbs., \$10.25; 15 lbs., \$15.00; 25 lbs., \$23.75.

European Mixed Bent (so-called "Creeping Bent") is a natural mixture of Bents including Creeping Bent, Velvet Bent, and Colonial Bent. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.10; 3 lbs., \$3.20; 5 lbs., \$5.25; 10 lbs., \$10.25.

Colonial Bent Grass makes a fine close turf of excellent color. Not a surface creeper. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.10; 3 lbs., \$3.20; 5 lbs., \$5.25; 10 lbs., \$10.25; 15 lbs., \$15.00; 25 lbs., \$23.75.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. Specially re-cleaned. Price, ¼ lb., 25c; 1 lb., 45c; 3 lbs., \$1.35; 5 lbs., \$2.20; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.75; 25 lbs., \$9.50; 50 lbs., \$17.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, ¼ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.40; 20 lbs., \$5.80; 25 lbs., \$7.15; 50 lbs., \$14.00.

WHITE CLOVER

White Clover prices are higher this year because most of this seed is imported from Europe and cannot be brought in now. Supplies are very short.

Extra Fancy Seed. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.75; 15 lbs., \$17.25; 20 lbs., \$22.40; 25 lbs., \$27.00.

Choice. Price, ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.50; 10 lbs., \$10.75; 15 lbs., \$15.75; 20 lbs., \$20.40; 25 lbs., \$24.50.

RED TOP GRASS (*Agrostis alba*)

Extra Fancy, re-cleaned solid seed. Price, ¼ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

Poa Species OF THE BLUE GRASS FAMILY

★ROUGH STALKED MEADOW GRASS

(*Poa trivialis*). As this grass is imported from Denmark, supplies are very short and cannot be replaced when exhausted. A fine shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial and a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. Price, 1 lb., 95c; 2 lbs., \$1.90; 3 lbs., \$2.80; 5 lbs., \$4.55; 10 lbs., \$8.90; 15 lbs., \$13.00; 20 lbs., \$17.00; 25 lbs., \$20.75; 50 lbs., \$40.00.

Wood Meadow Grass (*Poa nemoralis*). A shade grass in the north. Grows in rather dry soils. Sow in Fall or Spring. Price, ½ lb., 80c; 1 lb., \$1.50.

Poa Annua. An annual blue grass that reseeds itself. ½ lb., 80c; 1 lb., \$1.50.

Canada Blue Grass (*Poa compressa*). Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 25 lbs., \$8.25; 50 lbs., \$15.00.

Miscellaneous

Awnless Brome Grass (*Bromus inermis*). Very strong, quick growth, making two crops of very abundant pasture. It prevents washing on the banks of streams. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. to bushel). Price, 1 lb., 35c; 5 lbs., \$1.55; 10 lbs., \$2.75; 25 lbs., \$6.00; 50 lbs., \$10.50; 100 lbs., \$18.50.

Timothy (*Phleum pratense*). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 25c; 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 70c; 10 lbs., \$1.20; 1 bu., \$4.85 (45 lbs.); 100 lbs., \$7.50. Timothy not prepaid in lots of 1 bushel and over. Grain bags, 30c each extra.

Reed Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast and 3 to 5 lbs. with drill. Sow early in Spring or August. September. 1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$2.90; 25 lbs., \$6.25; 100 lbs., \$20.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (*Lolium perenne*).

A lawn grass where quick results are wanted. Price, 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter Lawn grass. Sow in October in the south. Spring or Fall in the north. Price, 1 lb., 25c; 3 lbs., 70c; 5 lbs., \$1.10; 10 lbs., \$2.00; 15 lbs., \$2.90; 20 lbs., \$3.50; 25 lbs., \$4.00; 50 lbs., \$7.00.

GOLF

We have a golf department prepared to give expert service. Let us quote on your requirements.

ROOTONE

We will supply treated seed at 5c per lb. extra.

BIRD SEED

Canary Seed. Postpaid. 1 lb., 30c; 5 lbs., \$1.10; 10 lbs., \$1.80.

Rape (Black or Red). Postpaid. 1 lb., 30c; 5 lbs., \$1.10; 10 lbs., \$1.80.

Hemp. Postpaid. 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.25.

Sunflower. Postpaid. 1 lb., 30c; 5 lbs., \$1.10; 10 lbs., \$1.80.

Vaughan's Special Canary Mixture. Postpaid. 1 lb., 35c; 5 lbs., \$1.20.

Finch Seed. Postpaid. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Parakeet Seed. Postpaid. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Cuttle Fish Bone. Postpaid. Small, 8c; Large, 13c each.

Fescues

★CHEWING'S FESCUE (NEW ZEALAND GROWN).

This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.55; 10 lbs., \$6.90; 15 lbs., \$10.00; 20 lbs., \$13.00; 25 lbs., \$15.75; 50 lbs., \$30.00.

Slender Fescue or Fine-Leaved Sheep's Fescue (*Festuca tenuifolia*). A low growing perennial that makes a good grass to sow between stepping stones. Does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 1 lb. to 200 sq. ft. Price, ½ lb., 80c; 1 lb., \$1.50.

English Blue Grass or Meadow Fescue (*Festuca elatior pratensis*). Grows quickly and has broad blade. Should be sown with other grasses. Particularly a pasture grass. Sow in Fall or Spring, 30 to 50 lbs. per acre. Price, 1 lb., 35c; 5 lbs., \$1.55; 10 lbs., \$2.75; 25 lbs., \$6.00; 50 lbs., \$11.00; 100 lbs., \$19.00.

FOR SOUTHERN LAWNS

Bermuda Grass (*Cynodon dactylon*). The grass for southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the south; winter kills in the north. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.15; 10 lbs., \$4.25; 25 lbs., \$9.75; 50 lbs., \$18.50; 100 lbs., \$35.00.

Winter Grass. For a winter grass in the south use rye grass or red top.

SPECIAL LIST OF FIELD SEEDS

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address:

Field Seed Department

Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 35c; lb., \$1.45; 5 lbs., \$6.25; 25 lb. pail, \$28.75; 100 lb. drum, \$110.00. Write us for booklet.

Vaughan's Chicago Parks Lawn Seed

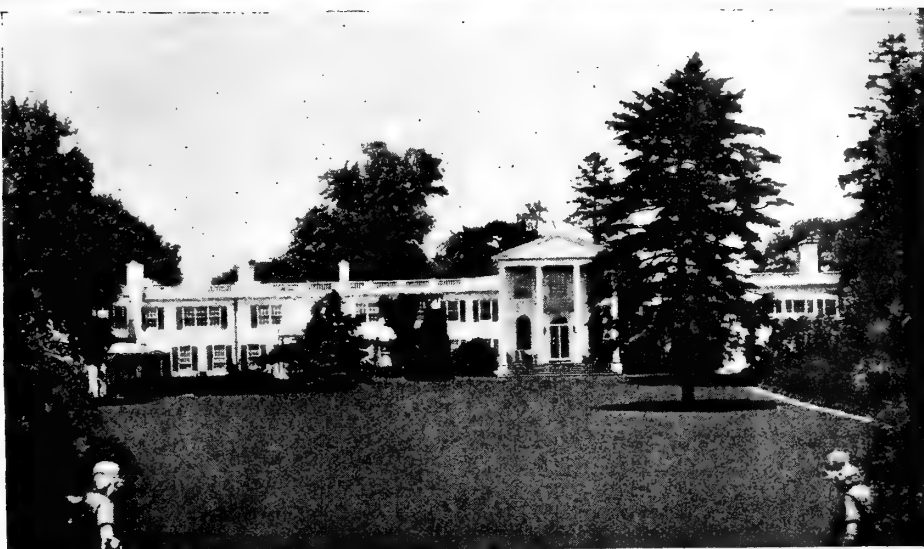
1 LB. 50c	10 Lbs., 4.50
½ Lbs., \$0.30	15 Lbs., 6.65
2 Lbs., 1.00	20 Lbs., 8.75
3 Lbs., 1.50	25 Lbs., 10.75
5 Lbs., 2.45	100 Lbs., 40.00

PREPAID IN U. S. A.

THE SCARCITY OF GRASS SEED

Due to the impossibility of importing many of the fancy grasses from Europe, such as Poa Trivialis, Wood Meadow, White Clover, etc. and to the small amount of these seeds grown in this country, costs have advanced greatly on many items.

Our mixtures could have been cheapened by leaving out these grasses and the old prices retained, but we prefer to hold to our standard of quality, and we feel confident our customers approve our decision.



THE market is flooded with cheap mixtures, adulterated with quick show grasses such as timothy, a hay seed whose coarse stems ruin the lawn. The few cents saved are soon forgotten, while the troubles and expense due to poor seed far exceed the saving. Buy only seed on the quality of which you can depend.

We unreservedly recommend Vaughan's Chicago Parks Lawn Seed wherever a lawn is desired which combines the maximum of beauty and durability with a minimum of expense and care. This splendid formula remains the universal favorite.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say, it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, ½ lb., 30c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.50; 5 lbs., \$2.45; 10 lbs., \$4.50; 15 lbs., \$6.65; 20 lbs., \$8.75; 25 lbs., \$10.75; 100 lbs., \$40.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Lawn Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination and identity.

Quality versus Price. Our constant aim has been to harmonize our never-changing superior qualities of seed with such reasonable and fair prices as will be entirely satisfactory to our customers. In this respect we have every reason to believe we have been successful. Because of shortages on some of the fancy imported grasses, some of our prices have been advanced. Our quality continues to meet the same high standards we have maintained in the past.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.60; 10 lbs., \$5.00; 15 lbs., \$7.40; 20 lbs., \$9.75; 25 lbs., \$12.00; 100 lbs., \$45.00.

Vaughan's Dense Shade Formula

An exceptional formula chiefly composed of imported grasses. It is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, ½ lb., 40c; 1 lb., 70c; 2 lbs., \$1.40; 3 lbs., \$2.05; 5 lbs., \$3.35; 10 lbs., \$6.50; 15 lbs., \$9.65; 20 lbs., \$12.75; 25 lbs., \$15.75; 100 lbs., \$60.00.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.25; 10 lbs., \$2.40; 15 lbs., \$3.50; 20 lbs., \$4.60; 25 lbs., \$5.50; 100 lbs., \$20.00.

All Lawn Seed prepaid anywhere in U. S. A. On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

Vaughan's "Private Estate" Bent Formula FOR LAWNS "DE LUXE"

The unexcelled beauty and velvet smoothness of creeping bent putting greens has caused a demand for a lawn mixture which contains seeds of the bent grasses.

For those who are interested in bent grass, we highly recommend our Private Estate formula, as it will require less mowing and less attention than pure bent grass.

Private Estate formula produces a fine, heavy turf, which with proper care will constantly improve. This mixture does not contain clover.

Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$8.15; 20 lbs., \$10.75; 25 lbs., \$13.25; 100 lbs., \$50.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S TERRACE FORMULA

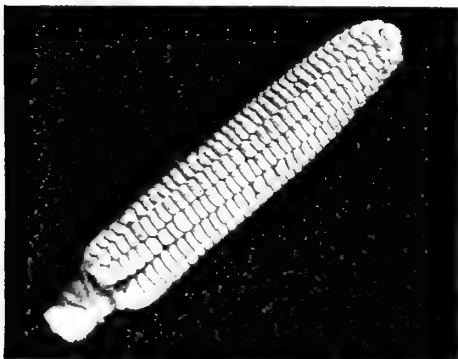
A combination of grasses that root quickly and form a good turf under conditions met on terraces. After seeding terrace, rake in the seed thoroughly and if possible add a quarter of an inch top dressing of good black soil to provide a good cover for the seed. Then roll thoroughly or compact the soil with the back of the spade. Seed Vaughan's Terrace Formula at the rate of 1 lb. to every 250 sq. ft. If slope is very steep, seed 1 lb. of oats to every 100 sq. feet with the lawn seed and proceed as directed above. Begin mowing as soon as the oats are high enough to cut, and keep cut. Price, 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.65; 5 lbs., \$2.65; 10 lbs., \$5.25; 15 lbs., \$7.85; 20 lbs., \$10.25; 25 lbs., \$12.50; 100 lbs., \$45.00.



Garden
for
Defense

Streamliner Bean Holds Lead Over All Others

Green Pod Bush Bean Streamliner. 55 days. Introduced by us two years ago, this bean has been carefully compared with every new variety introduced since and we like it best of all. Its points of merit: Heavy yield, exceptional vigor, and resistance to cold; stringless and fibreless pods, 7 inches long; long season of bearing, and mature white seed, excellent when dried. Good reports come from every part of the country. This is one variety which is tops with both market and home gardens. A Florida grower reports this the one variety which came through the freeze-up last spring and produced a crop. In the home garden it will continue bearing long after others have ceased. Two plantings will supply your family with delicious pod beans all summer and fall. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 65c; 2 lbs., \$1.10; 3 lbs., \$1.50; 5 lbs., \$2.00.



Sweetest Hybrid Sweet Corn

Our Choice. For the home gardener, a sweet corn may have everything else, but if it lacks the delicious flavor which we first found in Golden Bantam, it is just another corn. Of more than 300 varieties we have tested in our trials, this is the sweetest; and it was the most talked about hybrid in our section last summer. Besides its flavor, it is one of the earliest. It has a twelve row ear, 7 inches long on a stalk five feet tall, and fifty percent were ready to pick in 70 days from the time seed was sown. This is the hybrid we recommend for the home gardener who makes successive plantings. Pkt., 20c; $\frac{1}{2}$ lb., 35c; lb., 65c; 2 lbs., \$1.25.



Tender, Stringless Celery

Celery Salt Lake Special. This late variety has made its way to the front by public acceptance. Shipped from irrigated fields in the west it has become popular in the winter market because of its exceptional tenderness and freedom from string. We offer Utah grown seed bred from selected plants, which can be depended upon to reproduce the quality of the type under good culture in your garden. Pkt., 25c; $\frac{1}{4}$ oz., 65c; oz., \$1.75; $\frac{1}{4}$ lb., \$6.00.



Midget for Small Gardens

Cucumber Midget. This is a bush cucumber bred by Dr. A. E. Hutchins, University of Minnesota, and the best of this type we have seen. The plants grow six to twelve inches tall, with few lateral branches, main stems terminating in blossom clusters. Fruits are smooth, blocky, dark green, and plants can be set 18 inches apart each way. For small gardens this is a valuable introduction. Pkt., 20c; oz., 35c; $\frac{1}{4}$ lb. \$1.00.

Newest Table Quality Vegetables



New Bowl Salad Treat

Cos Endive. 85 days. Here is an escarole which combines broad, crisp, tender leaves resembling romaine lettuce, with the rich yellow heart and tart flavor of endive. Bowl salad enthusiasts will rave about it. Won honorable mention in the All America trials for 1941. It is later than Full Hearted, but has a long season and is at its best after a touch of frost. It is an important new number on the green salad programme, providing tender leaves during a period when lettuce is difficult. The endive flavor is distinctive and well liked by most. Sow in June for the fall crop. Pkt., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.



Sweetest, Coreless Carrot

Carrot Touchon. In France, where baby carrots are served as a separate course for the delight of gourmets this is the favorite variety for forcing. In our gardens it retains extreme tenderness and sweetness, a good bright color throughout, the core barely detected; growing when mature a slender seven inches long, with a blunt end. This is a delicacy at any stage of growth but when about as long as a lead-pencil it is something to brag about. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb. \$1.00; lb., \$3.00.

ALL-AMERICA WINNERS

The following varieties won awards in the All America Trials of new vegetables for 1941. Bronze medal is indicated by B. M., Honorable Mention by H. M.

Bean Tender Pod Bush. B. M. Stringless green pod, good producer. Pkt., 20c.

Endive Cos. H. M. Batavian cream hearted with large leaves like Cos lettuce. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.

Melon Honey Gold. H. M. Early Honey Dew type. Pkt., 25c; oz., \$1.50.

Sweet Corn Allegheny Hybrid. B. M. Medium late yellow, large ear. Pkt., 15c; ½ lb., 40c; lb., 75c; 2 lbs., \$1.40.

Sweet Corn Spangcross. H. M. Early resistant hybrid, 10-12 row yellow ear. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

Pepper Sweet Banana. B. M. Sweet Hungarian, slender, mild. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.

Squash Yankee Hybrid. B. M. F1 Hybrid giant straight neck. Pkt., 15c; oz., 75c; ¼ lb., \$2.50.

Tomato Victor. B. M. Heavy yielding early. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.



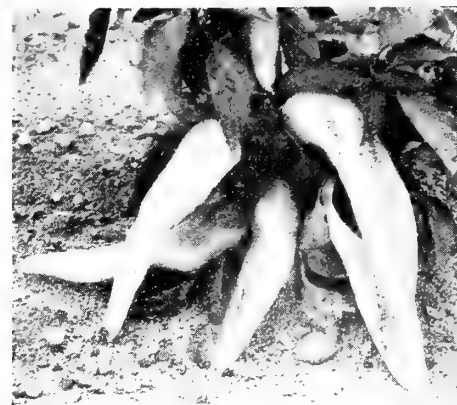
Good Looking, Good Eating

Squash Green Gold. This good old American vegetable, which the Indians gave us, is getting more popular each year, as more cooks learn to serve it. This is a variety to bake and serve with melted butter. Its green and gold skin is handsome, but the firm, dry, sweet flesh inside is more important. Like Buttercup, the seed is all in a bulge at the blossom-end, leaving an extra portion of thick orange flesh, free from stringiness, as sweet as a melon. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.



Name This, and Win a Prize

Egg Plant Minnow. We consider this product of Dr. A. E. Hutchins' breeding skill, the best variety we have seen for home and market gardens. One of the earliest, it has firm, dark purple oval fruits, 6 x 7 inches, produced abundantly over a long season. The name is not so good, we think, and Dr. Hutchins said that anyone who will send the best new name, accompanied by an empty seed packet of this variety, will get a prize. Address University Farm, St. Paul, Minn. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.75.



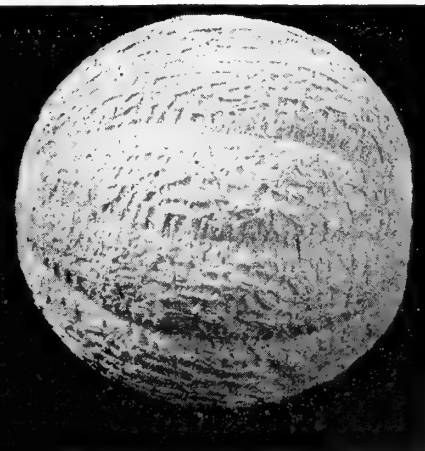
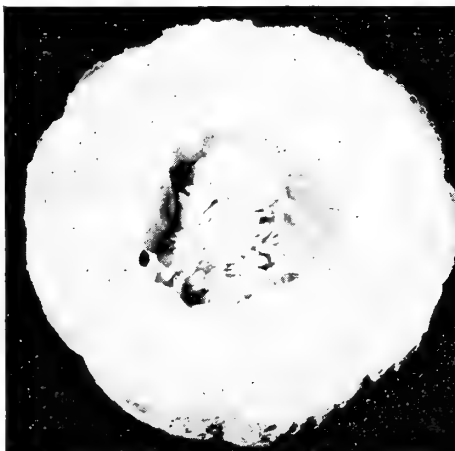
Sweet Salad Pepper

Pepper Sweet Banana. Hungarian peppers, both sweet and tart, are highly esteemed by those who specialize in tasty salads. To provide a supply all winter they are canned by the cold pack method, and sliced to mix in the bowl salad, or to garnish the plate. This All America winner, bronze medal in the 1941 trials, has a mild flavor, as the name indicates, with long yellow-green fruits, borne on stocky plants. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.



F1 Hybrid Squash

Yankee Hybrid. The lower in illustration, Connecticut Straight Neck above. Two parent strains are bred, and the male blossoms picked from one, to insure that only pollen from the other fertilizes the seed. This, as in hybrid corn, gives increased vigor, and larger fruit, 17 inches long, with 7 inch neck before the bulge; which means more quality flesh. Prof. L. C. Curtis of Connecticut Experiment Station bred it. Pkt., 15c; oz., 75c; ¼ lb., \$2.50.

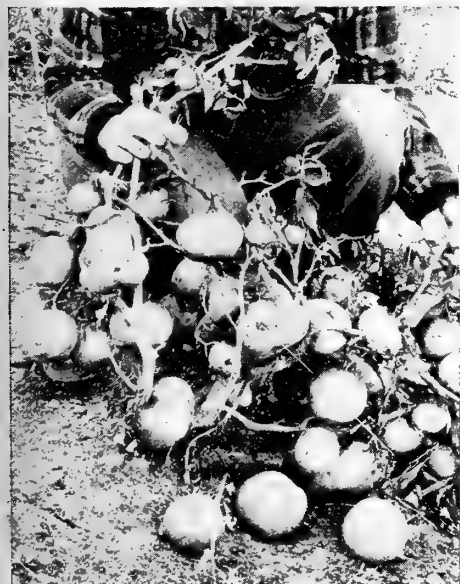


Wisconsin is Rightfully Proud of This One

Muskmelon Pride of Wisconsin. Where spring is late, and summer short, earliness is a must quality in melons. Breeders in the north central states have made great progress in developing big, thick-fleshed, sweet muskmelons which will ripen on the vine (as melons must do) in time for a long feasting season. There are many fine melons competing for favor in this section, but Pride of Wisconsin seems to be ahead in the race. It is superseding many of the coarse veined Honey Rock types. It matures early, is a sure setter under adverse weather conditions, has a small seed cavity and thick, orange flesh of excellent flavor. If you want a real treat, grow it in your own garden, and pick the fruits only when the stem is almost ready to part with the fruit of its own volition. This is a test of maturity. Pkt., 15c; oz., 30c; ¼ lb., 75c; lb., \$2.75.

New College Bred Tomato

Victor. This is, definitely, a college bred variety, introduced by K. C. Barrons of the Michigan State Agricultural College, who produced it on the college grounds by crossing Red Skin and Break-o-Day. It is one of the earliest and you can see above, the heavy crop it set in our fields last summer. It has a vine of medium size, and the fruits are medium-large, smooth, ripening a brilliant red. It is an improvement over the standard earlies and can be recommended for the home garden. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.





Garden for Defense of Home and Country

EVERY HOME GARDENER Contributes to National Preparedness, Who Grows as Much as Possible of his Vegetable Foods in his OWN BACK YARD.

FOOD F. O. B. THE KITCHEN DOOR

Takes a Load off National Man Power and Transportation, and Helps Keep Down the Cost of Living.

PLAN AND PLANT EARLY, FOR WHATEVER MAY COME

Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

Green Globe. Perennial, large-flowering heads. Matures second year; not hardy in the north. Pkt., 10c; oz., 65c.

Jerusalem Artichoke Roots. About five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. They grow in a wild form in the United States. Tubers can be supplied in March and April. Lb., 25c; 3 lbs., 50c; 10 lbs., \$1.25. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING — Asparagus may be raised from seed and a crop obtained in three years. In early spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following spring, select the best of the roots and place in the permanent bed. One ounce of seed will sow 100 feet of row, producing 300 plants.

ROOT PLANTING — A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart. Plant in a trench 12 inches deep, at the bottom of which is 2 inches of well rotted manure. Add 5 lbs. of a balanced plant food to each 100 feet, well mixed with soil. Cover roots 3 inches deep and add more soil as they grow until the ground is level.

WHITE ASPARAGUS. White Asparagus may be grown from the same variety as green. It is merely a method of growing. The stalks are hilled with earth and cut underneath the ground before exposure to the light has turned them green.

WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, which originated this strain. Rust-proof plants are preferred by commercial growers. Since the differences between varieties of asparagus are not great, given the same soil and cultivation, freedom from disease is of dominant importance. The most satisfactory strain is MARY WASHINGTON.

Mary Washington stock is so far the most satisfactory of the two strains. It is the result of a single cross. Pkt., 10c; oz., 15c; ¼ lb., 40c.

ASPARAGUS ROOTS

	1-Year Old	2-Year Old
Mary	Doz. 100 1000	Doz. 100 1000
Washington	\$ 50 \$2.25 \$15.00	\$0.60 \$2.50 \$18.00

If by mail, add postage as follows: 100, 50c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

Improved germination and vigor of growth in beans is produced by inoculating the seeds with "Nitragin." Garden size, 10c and 25c.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

New Edible Soy Beans

FOOD AND HEALTH CROP

We offer four strains of edible Soy Beans, differing radically from the field varieties, developed to provide a valuable and palatable human food. Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics. Illustration shows typical plant and pods in green state. Yield is much heavier for same area than Navy Beans. University of Illinois, Urbana, Ill., will supply on request a Bulletin: "Ways of Using Soy Beans as Food."

We offer four distinct strains, differing chiefly in maturity dates, the earlier strains giving slightly smaller plants and yield.

Dr. E. H. Sichter, Grosse Point, Mich., says: "This spring I purchased from you some Bansei Soy Beans and planted them with wonderful results. Good crop, early maturity, good tasting, free from oily flavor. I especially recommend them for their Dietary value in Diabetics, or for those wishing to reduce excess weight."

Bansei. 90 days. 18 to 24 in. tall, the earliest one and best in Northern districts. Pods 2½ x ½ x ¾ pale green turning to pale greenish yellow.

Willomi. 95 days. Plant 3 ft. tall, otherwise similar to Bansei.

Jogun. 98 days. Plant 30 in. tall, otherwise similar to Bansei.

Hokkaido. 100 days. 30 in. tall, having more pods to the cluster, otherwise similar to Bansei.

Above Soys, pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.



PLANT AND POD OF EDIBLE SOY BEAN.

Limas—Rich and Delicious

LIMAS should be planted a little later than the other running Beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space but the pole limas yield better.



BUSH

Packet plants 20 ft., lb., 150 ft.

★**Fordhook Bush.** 75 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick green Beans. For heaviest yield give each plant at least 18 inches in the row. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10.

★**Baby Fordhook.** 75 days. Cross between Fordhook and Henderson and Fordhook by Dr. Roy Magruder of Ohio Experiment Station. Small pod, small thick Beans, good quality, heavy yield. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

★**USDA 2 Henderson.** About 60 days. A prolific yielder of small Beans, thriving in ordinary soil. Earlier than standard Henderson, recommended to replace it. Pkt., 10c; ½ lb., 20c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00; 5 lbs., \$1.50.

Baby Potato. 72 days. It resembles Henderson Bush, but with darker foliage, more productive and averaging more Beans to the pod. Good flavor and excellent for canning or freezing. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

Early Baby Potato. 66 days. Same as Baby Potato but earlier and better in northern districts. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

Burpee's Improved Bush. About 76 days. This has larger pods and Beans than the original. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00.

Burpee's Bush. About 75 days. Large white seeds; very productive and splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00.

HENDERSON'S BUSH. Pkt., 10c.

Large Baby Potato. 75 days. Has a bush similar to Henderson but the pods and Beans are much larger. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

POLE

Packet plants 15 hills; lb., 100 hills.

★**Succulence.** 75 days. Earliest of pole limas, bears Beans slightly larger than Henderson's Bush. It is an exceptional producer and can be grown on a pole or allowed to run on the ground. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

Early Leviathan. In about 83 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 70c; 3 lbs., 90c.

King of the Garden. In 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large Beans of excellent quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

Carolina Sieva. 77 days. Hardy, tall pole type, resembling Henderson Bush in other respects. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Florida Butter. 78 days. Similar to Carolina Sieva, except seed instead of white is buff spotted brown. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Large White Seeded. About 85 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

Beans are No. 1 Home Garden Food Crop

Plentiful Combines Heavy Yield
with Highest Quality

★Plentiful. Ready to pick in about 48 days. Though it has a dark green pod, it originated as a cross between Bountiful and Surecrop Stringless Wax. It is free from strings and fibre at all stages of growth. Delicious when half mature, it is also tender and without strings when it has reached its maximum size of 6 to 8 inches in length. This gives it an exceptionally long season of use, although it is one of the earliest varieties. This high quality is combined with extreme vigor, and while not immune to rust, trials have shown it to be definitely resistant. We recommend it for the home garden. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

★Tendergreen. 52 days. A main crop variety with tall vines which carry their pods free of the ground. A heavy yielder, bearing long pods, fleshy and of excellent flavor. It is an improvement on Full Measure, which we are dropping from our list; and we recommend it for both home and market. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★Streamliner. Ready to pick in about 50 days. This tender, flat pod Bean averaging 8 to 10 inches long, bears white seed. Its long pods are stringless and quite free from fibre, a definite improvement in quality over the exhibition variety, The Prince, which it equals in yield and size of pod. Pkt., 15c; ½ lb., 35c; 1 lb., 65c; 2 lbs., \$1.10; 3 lbs., \$1.50.

★Bountiful Stringless. Ready to pick in about 48 days. Of the heavy yielding, flat pod type, our strain of this variety is finest. One of the earliest, it produces straight pods, 7 inches long, half an inch wide, completely stringless, tender and brittle. It has a long season of bearing. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★Landreth's Stringless Green Pod. 50 days. Superior to Burpee's Stringless which it has replaced, the pods being longer and not as deeply indented between Beans, medium size bush, productive, bearing long 5½ in. straight pods. Straight, stringless, tender, nearly round, fleshy. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★Commodore. 75 days. A Bush Kentucky Kentucky Wonder, except that it is a bush instead of a pole type. Pkt., 15c; ½ lb., 35c; 1 lb., 65c; 2 lbs., \$1.25.

Giant Stringless Green Pod. In about 53 days. Later than Stringless Green Pod, which it equals in quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

Black Valentine Stringless. About 52 days. An improved selection of the old Black Valentine, which is stringless, and yet immune to light frosts. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

Red Valentine Stringless. About 52 days. Hardest of Beans, germinating in cold ground, and resisting light frosts. Round fleshy pods, vines 15 in. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

SHELL BEANS

Dwarf Horticultural. In about 100 days. Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; ½ lb., 35c; 2 lbs., 55c.

English Broad Windsor. About 100 days. Best of class. Pkt., 10c; ½ lb., 40c; 2 lbs., 70c.

White Kidney. In 100 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c.

Red Kidney. In 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c.

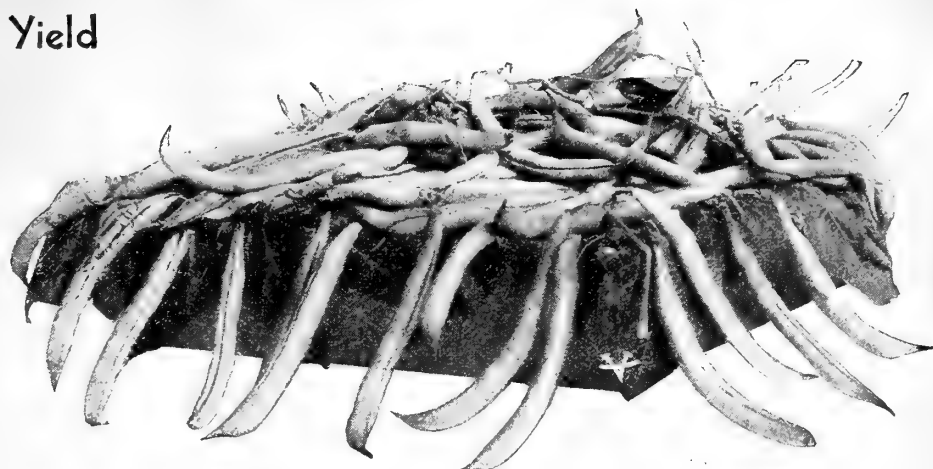
White Marrow. In 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c.

FIELD BEANS

Great Northern. In 90 days. A little larger than the Navy Bean, it is hardier and a much heavier yielder. Pkt., 10c; ½ lb., 25c; 2 lbs., 45c; 5 lbs., 70c; 10 lbs., \$1.25.

Improved Navy. In 85 days. Fine field sort. Lb., 25c; 2 lbs., 40c; 5 lbs., 65c; 10 lbs., \$1.00.

"Robust." In 100 days. A selection of the White Navy Bean introduced by the Michigan Agricultural College, which was bred for resistance to blight, and which outyields others on heavier soils. Lb., 25c; 2 lbs., 40c; 5 lbs., 65c; 10 lbs., \$1.00.



PLENTIFUL is a cross between Bountiful and Surecrop Stringless Wax and better than either parent. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

QUALITY in Beans is measured by stringlessness; by tenderness, or the absence of fibre, or "linen" in the pod; by ability to produce well; a long, straight pod being preferred. Fine strains of good varieties excel inferior strains of the same varieties in all these qualities.

Our beans are grown on our own farms, or by expert growers under contracts which require that methods shall be used which involve increased expense but result in greatly improved quality. After the harvest our Beans are hand-picked, to discard all seeds which do not conform to the ideal type. The improvement in your crop far outweighs the increased cost.

Wax Beans

★Golden Bountiful. 54 days. An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow color, which they assume when very young. In yield it is exceptionally heavy, like its green-pod namesake. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

★Gold Standard. Matures in about 52 days. In earliness, table quality and heavy yield this new variety is outstanding. It has straight flat pods, seven inches long; perfectly stringless, tender and of excellent flavor. In yield it equals its type parent, Davis Kidney Wax, which it far excels in quality. It is strongly recommended for the home garden. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 80c; 3 lbs., \$1.00.

Wardwell's Kidney Wax. Matures in about 53 days. The attractive golden yellow pods, seven inches long, are flat, brittle, stringless, straight, finely shaped and of excellent flavor. It is especially suited to midwestern conditions and is recommended for the home garden as well as for the market. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

★Round Pod Kidney Wax (Brittle Wax). Matures in about 55 days. The plant is erect, of medium size and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality and is recommended for the home garden and for canning. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

Top Notch Golden Wax. 52 days. Vines vigorous, medium size, producing heavily, rust resistant. Pods creamy yellow, straight, oval, stringless and brittle, 5½ in. long, having an excellent buttery flavor. Much heavier yielder, with longer pods than Improved Golden Wax, which it displaces. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

New Kidney Wax. 53 days. A flat, long-podded stringless variety of highest table quality as well as a robust grower and high yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

Pencil Pod Black Wax. In about 52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Unrivaled Wax. About 53 days. Vigorous grower, slightly flattened pods, high quality. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Inoculate Beans with Nitragin for better crops. Garden size, 10c; bushel, 40c.

POLE BEANS

THEY YIELD HEAVILY

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

***Kentucky Wonder or Old Homestead.** Ready in about 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

***Kentucky Wonder Wax.** In 65 days. The best pole wax bean for northern planting. Similar in habit to Kentucky Wonder, and as early. Pods are golden, fleshy, delicious. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

Early Golden Cluster Wax. About 65 days. Long, stringless, pods in clusters; pure white seeds. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

Burger's Stringless Green Pod. About 63 days. (White seeded Kentucky Wonder.) Bears until frost. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

White Creaseback. In 65 days. Early; long, round, green, stringless, tender. Pkt., 10c; ½ lb., 35c; 2 lbs., 60c.

Cut Short or Corn Hill. About 65 days. Much used in the south for planting among the corn. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

Lazy Wife. In 72 days. Good shell beans; long, stringless pods. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

Horticultural Cranberry. In about 70 days. For cool climate; early; flat green pods, spotted seeds. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

Scarlet Runner. In 65 days. Ornamental flowers. Pkt., 10c; ½ lb., 40c; 2 lbs., 75c.

KENTUCKY WONDER. (French Asparagus Bean). Yard Long 65 days. It produces a long, round edible pod. Pkt., 15c; ½ lb., 40c.

Dutch Case Knife. 65 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c.

McCaslan. 65 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c.

Missouri Wonder. 66 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c.

Mobile or Black Valentine. 60 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c.

Striped Creaseback. 72 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c.

Home Grown Beets Excel in Tenderness and Flavor



VAUGHAN'S SELECTED CROSBY'S EGYPTIAN BEET.
Pkt., 10c; oz., 20c.

QUALITY in Beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only Beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually.

While this extra care increases the cost of the seed, the increase is small compared with the added value which improved quality gives to the crop.

Beets are easily grown in the home garden, and provide appealing dishes throughout the year. When they are thinned out in the spring their tops and leaves make a delicious dish.

★Perfected Detroit. ^{Matures in about 55 days.} In this improved strain of Detroit Dark Red Turnip Beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is as near perfection as breeding skill has attained, earlier, and almost spherical in shape, which is most desirable for pickling and canning. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★Detroit Dark Red Turnip. ^{Matures in about 55 days.} A main crop variety unequalled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

★Early Wonder. ^{Matures in about 50 days.} This is a selection of Crosby's Egyptian which differs in shape and color, being slightly deeper and thus more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★Good for All. ^{Matures in about 50 days.} This is a selection of Detroit, bred to produce uniform roots which can be harvested when 1¼-1½ inches in diameter, especially for canning and pickling. It is almost perfectly globular, smooth and uniform in size, with deep crimson even color inside. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★Crosby's Egyptian. ^{Matures in about 50 days.} This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape. This variety excels in table quality.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Standard Stock. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Crimson Globe. ^{In about 60 days.} Second early main crop, of medium size. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Edmand's Blood Turnip. ^{60 days.} Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Tendersweet. ^{50 days.} Deep red throughout, with almost no zoning, globe shape with fine tap root, tender flesh. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

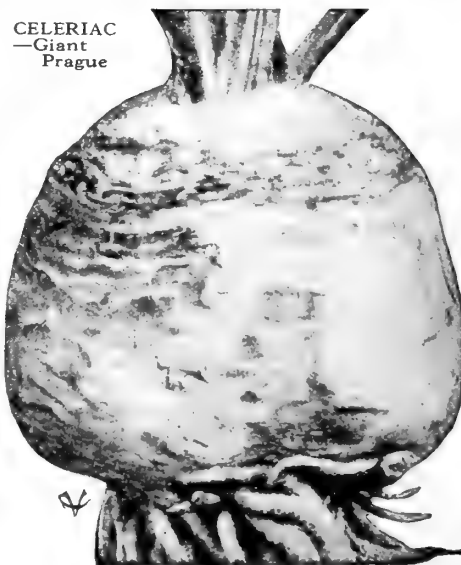
Green Top Bunching. ^{50 days.} Roots round, smooth, slightly flattened at maturity, medium red with a bright red heart, fine flesh. Tops medium size and remaining green to maturity. Pkt., 15c; oz., 25c; ¼ lb., 65c.

Winter Keeper or Long Dark Blood. ^{75 days.} Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender even in storage. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Early Blood Turnip. ^{In 55 days.} Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Improved Early Egyptian. ^{About 45 days.} The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50. Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

CELERIAC
—Giant
Prague



BRUSSELS SPROUTS

Brussels Sprouts

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. For late use sow seed in June.

Long Island Improved. ^{About 90 days.} The most satisfactory Brussels Sprouts for American conditions. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Improved Dwarf. ^{About 90 days.} Dwarf habit and less liable to aphid than others. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Sugar Beets

The kinds offered below are grown from roots, the test analysis of which showed high sugar content. Prices of the following: oz., 15c; ¼ lb., 45c; lb., \$1.25.

Vilmorin's Imperial. Improved French variety; yields nearly as much as the Mangels.

Klein-Wanzleben. Wedge shape tapering to long tail.

Mangel Wurzel

^{Mature in 90 to 120 days.}

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches. Give the crop good cultivation.

Barres Sludstrup. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Oz., 15c; ¼ lb., 45c; lb., \$1.25.

Vaughan's Mammoth Long Red. Largest and heaviest cropper of long red sorts. Oz., 15c; ¼ lb., 45c; lb., \$1.25.

Giant Yellow Eckendorf. Yellow roots, cylindrical. Oz., 15c; ¼ lb., 45c; lb., \$1.25.

Golden Tankard. Oz., 15c; ¼ lb., 45c; lb., \$1.25.

Giant Rose Half Sugar. Oz., 15c; ¼ lb., 45c; lb., \$1.25.

Celeriac

^{TURNIP ROOTED CELERY}

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

Large Smooth Prague. ^{About 120 days.} A main crop variety. Pkt., 10c; ¼ oz., 25c; oz., 45c; ¼ lb., \$1.25.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

New Coreless Carrots are Table Treats

ALL AT THEIR BEST WHEN
HARVESTED HALF-GROWN

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

The expense of the extra care needed in selecting the best plants, together with the reduced seed crop which results from discarding the "rogues," necessarily increases the cost of selected strains; but the added cost is insignificant compared with the improvement which results in your crop.

★Touchon. 70 days. Experienced home gardeners know the exquisite flavor of tender young Carrots, not much thicker than your little finger, which contribute one of the early summer's most delicious table treats. Here is a variety which retains when grown to full size the qualities which others lose so quickly as they mature. It is sweet, tender, fine-grained and fibreless, even after it has attained 6 x 1½ inches. A table quality variety of the first rank. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

★Redheart. 70 days. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

New Bunching. 70 days. Matures in about 77 days. Tops short, stems medium size and strong, 8x1½ inch, almost cylindrical with rounded shoulders and a well stumped point. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

★Nantes Half Long Scarlet. Matures in about 70 days. This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core, and this variety gives the home gardener supreme table quality, at whatever stage it is harvested. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

★Table Queen. Matures in about 70 days. Excels in sweetness, crisp tenderness and vivid yellow color which bespeaks abundant Vitamin A. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Vaughan's Select Danvers. About 75 days. It is a half-long type, averaging five and one-half inches in length, tapering to a blunt point. Its yield greater per acre than any other. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Greater Chantenay. 75 days. This is a strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Early Chantenay. About 70 days. Averages 4½ inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Early Short Scarlet. In about 65 days. (Dutch Horn.) Larger than French Horn and almost as early, 1½ inches thick, three inches long; fine grain sweet-flavored, rich orange. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Guerande or Oxheart. In 70 days. Is a variety of very rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Imperator. About 77 days. Has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

CARROTS FOR STOCK

Improved Long Orange. About 88 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.



DANVERS
HALF LONG

OXHEART

RED HEART

NANTES
HALF LONG

GREATER
CHANTENAY

DUTCH
HORN

TOUCHON

Crisp Celery from Your Garden

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good Cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

★Golden Detroit. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 25c; ½ oz., 60c; oz., \$1.00.

★Salt Lake. Selection from Utah Golden. Large round stalk. Free from string, finest quality, branches easily. An excellent winter seller. Pkt., 25c; ½ oz., 60c; oz., \$1.00.

Salt Lake Special. Utah grown select strain. See novelty page. Pkt., 25c; ½ oz., 65c; ½ oz., \$1.00; oz., \$1.75; ¼ lb., \$6.00.

★Michigan Golden (College Golden). Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 40c; ½ oz., \$1.00; oz., \$1.75; ¼ lb., \$6.00.

Golden Self-Blanching. Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have lately introduced a re-selected strain earlier and stronger growing than the older type.

Tall Strain. French type. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

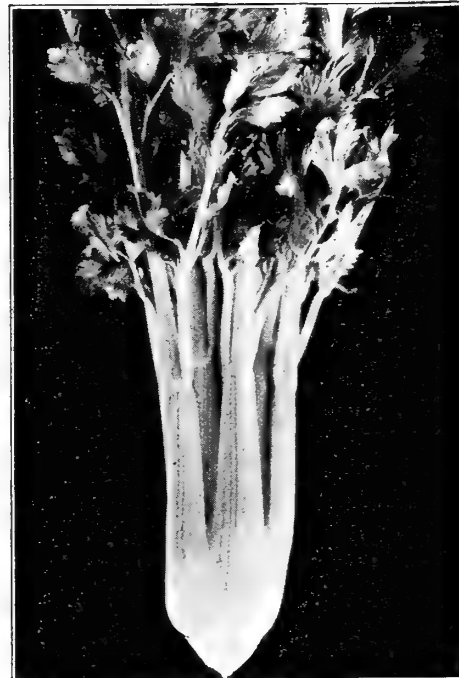
Dwarf Strain. American-grown. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

Giant Pascal. The stalks are large, solid, crisp and of rich nutty flavor. For fall and winter, this is a splendid sort. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Emperor. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

White Plume. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white and large sized.

Selected Stock. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.



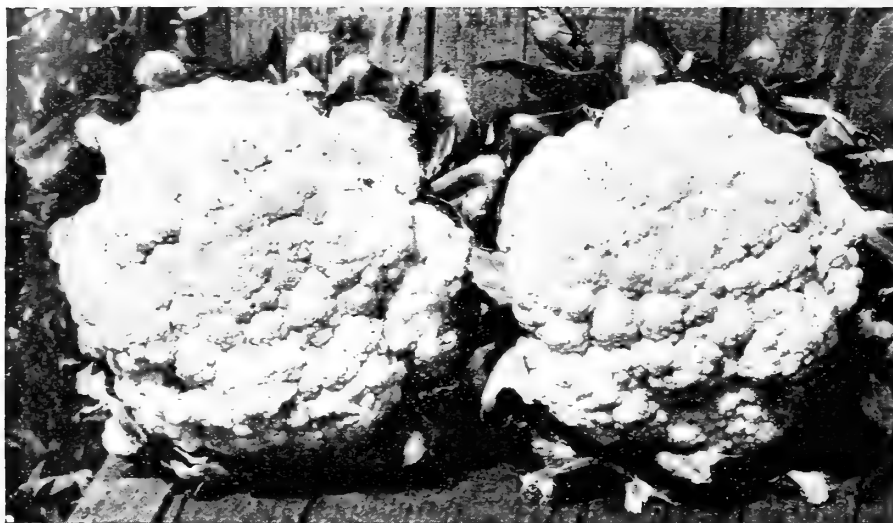
CELERY GOLDEN SELF-BLANCHING
Tall Strain, Pkt., 10c.

Easy Blanching. Medium dwarf, stalks thick, quality excellent. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Select. Pkt., 30c; ½ oz., 80c; oz., \$1.50; ¼ lb., \$5.00. Regular. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Winter Queen. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.15.

Soup Celery or Smallege. Green foliage used for soups. Oz., 20c; ¼ lb., 50c.



AVERAGE HEADS OF VAUGHAN'S SELECT SNOWBALL. Pkt., 50c; $\frac{1}{4}$ oz., \$1.85; $\frac{1}{2}$ oz., \$3.45; oz., \$6.50.

Despite War, We Offer Cauliflower from Denmark

WAR and the blockade have shut off from this country imports from Denmark, where the finest strains of cauliflower seed are grown. The result is a shortage of seed which has sent prices soaring. We are glad to report that we have a sufficient supply of Danish grown cauliflower seed of our best strains to supply our retail demand, for which we are reserving it.

Home gardeners will find cauliflower not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★**Vaughan's Select Snowball.** *Matures in about 55 days.* Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 50c; $\frac{1}{4}$ oz., \$1.85; $\frac{1}{2}$ oz., \$3.45; oz., \$6.50.

★**Vaughan's New Snowball.** *Matures in about 55 days.* A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Our strain is the product of years of careful selection. Pkt., 50c; $\frac{1}{4}$ oz., \$1.75; $\frac{1}{2}$ oz., \$3.25; oz., \$6.00.

Vaughan's Earliest Dwarf Erfurt. Like New Snowball, but a few days later. Pkt., 50c; $\frac{1}{4}$ oz., \$1.40; $\frac{1}{2}$ oz., \$2.50.

Dry Weather Cauliflower. Heads larger than Snowball, snow-white, second early. Pkt., 50c.

Danish Snowball. Second early. (Can't supply).

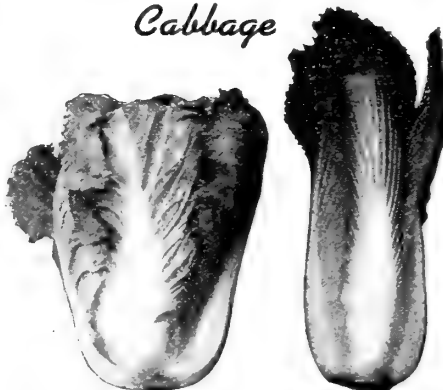
Autumn Giant. Large heading late fall sort. Pkt., 25c; $\frac{1}{4}$ oz., \$1.10; $\frac{1}{2}$ oz., \$2.00; oz., \$3.75.

SAVOY CABBAGE A TABLE DELICACY

This type of cabbage has leaves which are crumpled or savoyed instead of smooth, as in other types. The heads are not as tight as the smooth leaved type, but are of superior flavor, and are esteemed for table quality. They are especially favored by many good cooks for stuffing with ground meats. Try them in the home garden.

Improved American Savoy (Long Island strain). The best main crop variety of this type. The vigorous short stemmed plant bears a large, fairly solid head, sweet and tender. Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Chinese or Celery Cabbage



PAOTING. Pkt., 10c. "PE TSAI." Pkt., 10c.

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

★**Celery Cabbage Pe Tsai.** The VAUGHAN strain. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away, the cabbage presents a well high irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Celery Cabbage "Paoting." Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

New Sprouting Broccoli

BROCCOLI, which has become popular throughout the country in the last few years, is a cousin of the cauliflower, having a similar but more delicate flavor. The type which has won greatest popularity produces a terminal head which may be cut, whereupon other heads are produced on lateral branches, which in turn may be harvested. Typical center heads are shown in the illustration. It survives light frosts, and produces well in the cool autumn weather. Sow in the open in May, and transplant to eighteen inches apart in the garden row.



BROCCOLI ITALIAN GREEN
SPROUTING.

★Italian Green Sprouting (Calabrese).

Matures in about 70 days. A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Large White Mammoth. 80 days. This is a type which produces white heads similar to cauliflower. Pkt., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Purple Cape. 80 days. Purplish heads. Pkt., 25c; $\frac{1}{4}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Red Cabbage

Valued for Distinctive Flavor

★**Red Winter Giant.** 95 days. One of largest; dark red, extremely hard head, exceptional keeping quality. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c.

★**Haco, Earliest Round Red.** 75 days. This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs., each. (Can't supply).

Mammoth Rock Red. (Long Island strain). In 95 days. The hardest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Red Yellows Resistant. About 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 20c; $\frac{1}{2}$ oz., 90c; oz., \$1.75.

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.00.

Insure a Crop by Sowing Yellows-Resistant Cabbage Seed

WHEREVER the temperature of the soil rises to 90 degrees or higher there is danger of the yellows disease, and when it strikes a crop failure may result, as the illustration shows.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

All resistant seed listed below was harvested in 1939. In the spring of 1940 a sample was drawn from each bag and sown in soil known to be yellows infected. The results were checked by an expert judge who approved each bag of seed as highly resistant. We believe this is the best resistant cabbage seed to be had.

Regular Stock of Yellows Disease-Resistant Varieties

★ **Jersey Queen.** 60 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Wisconsin Pride** (Racine Market) (Early Detroit). 64 days. A round head early of the Golden Acre type. Of dwarf, compact growth with few leaves; of exceptionally uniform size and maturity season. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.40.

★ **Wisconsin Ballhead.** 100 days. Most highly perfected strain of yellows-resistant cabbage yet introduced. It excels in all the qualities that mark a good cabbage, besides being 100 percent resistant. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. We sincerely recommend this for home garden and market growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Globe.** 75 days. The resistant Glory of Enkhousen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.40.

★ **Bugner.** 100 days. A winter variety grown in infected soil near Chicago, which is the most popular variety with market growers. Our own strain has been selected for resistant qualities over many years. Pkt., 20c; ½ oz., 80c; oz., \$1.50; ¼ lb., \$5.00.

Wisconsin All Head Early. In about 80 days. Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Marion Market. In 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.30.

Wisconsin All Seasons. About 90 days. Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Wisconsin No. 8. 110 days. A late winter keeper. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.



Two Rows of Non-Resistant Penn State Ballhead Growing in a Planting of Wisconsin Ballhead Resistant Cabbage; Shows Only One Plant that Survives Yellows Disease.

Louisiana Copenhagen. 58 days. A southern selection of regular Copenhagen. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Penn State Ballhead. About 105 days. A heavy yielding strain of the short stem Danish Ballhead type. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Vaughan's Select Early Jersey Wakefield. In about 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 35c; ¼ lb., 90c.

Early Flat Dutch. In 90 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; oz., 35c; ¼ lb., 90c; lb., \$3.00.

Standard Bred Cabbages

★ **Reselected Copenhagen Market Extra Early.** Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture.

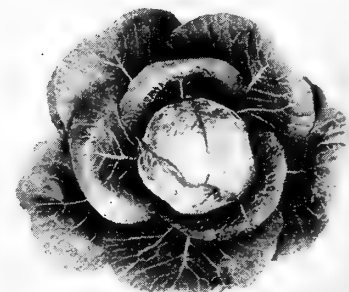
Reselected Tested Stock, 62 days. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.35.
Standard Stock, 68 days. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

★ **Daybreak.** 60 Days. It bears a round, hard head with short stem and was developed by one of the best growers in Denmark, in whose trials it matured 65% in 60 days, averaging 3 pounds, 12 tons to the acre. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

★ **Golden Acre.** Matures in about 60 days. Resembles Reselected Early Copenhagen Market in most respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves, so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★ **Green Acre.** 60 days. A round headed variety which instead of bleaching in the hot sun holds its rich green color to the bursting stage. Smooth, solid, of fine texture and flavor; heads weigh 3 to 4 pounds. Pkt., 15c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.00.

★ **Glory of Enkhousen.** Matures in about 75 days. This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing 8 to 10 pounds, and more uniform than the earlier types. Recommended for the main crop in the home garden. Pkt., 10c; oz., 35c; ¼ lb., 95c.



CABBAGE, GREEN ACRE, Pkt., 15c.

Charleston Wakefield. About 73 days. Later than "Jersey Wakefield," with heads much larger and uniform. Does well on heavy soil. Pkt., 10c; oz., 35c; ¼ lb., 90c.

Vaughan's All Seasons. About 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

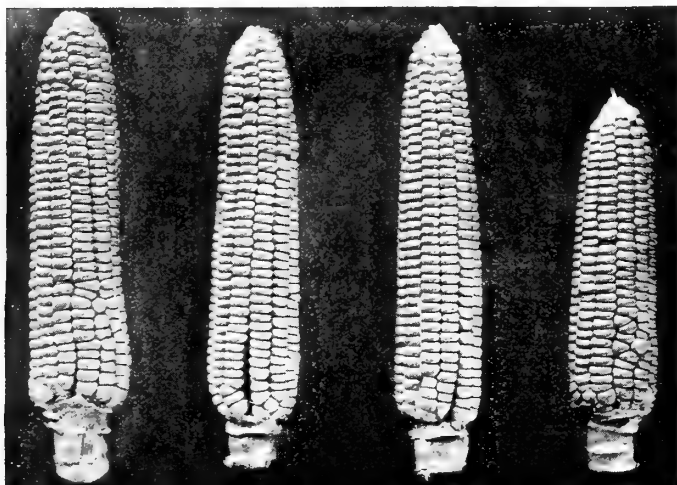
All Head Early or Faultless. In about 78 days. Matures large, uniform handsome heads of unsurpassed quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

LATE VARIETIES

Danish Ballhead Short Stem. About 105 days. Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Vaughan's Premium Late Flat Dutch. In about 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Now, Hybrid Corn as Sweet as Golden Bantam

GOLDEN
NUGGETOUR
CHOICEGOLDEN
TREASURE

SURPRISE

Sweet Corn All Summer, 25¢

Collection No. 22. One Packet each, Earliest Golden Sweet, Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 50c; 1 lb. each, 85c.

*OPEN POLLINATED YELLOW

Golden Bantam. Matures in about 80 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, and has better flavor. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Extra Early Golden Bantam. Matures in about 72 days. Prices are same as Golden Bantam.

***Earliest Golden Sweet.** Matures in about 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

***Vaughan's Bantam Evergreen.** 85 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Golden Country Gentleman (Colonel). 90 days. By crossing Country Gentleman and Golden Bantam, this late variety was produced. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Golden 60-Day. 68 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Whipple's Early Yellow. About 87 days. A 14 rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Golden Gem. 50 days. Earliest yellow, producing 8 to 10 row ears. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Barden's Wonder. 80 days. The late type of Golden Bantam. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Golden Giant. 87 days. A tall growing 8-rowed Golden Bantam but not as desirable. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

OPEN POLLINATED WHITE

60-Day White. 68 days. Height 3 feet, ears 10 to 12 rowed, 6 to 7 inches. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

To aid germination and increase vigor of early planted corn, treat with Semesap Jr., 4 oz., 50c.

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. In flavor, which many home gardeners consider the supreme point, the variety Our Choice is equal to Golden Bantam, some think better. Other hybrids will compare well in flavor, with other open pollinated.

Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials at Wichert, Illinois, where 300 varieties were tested last year.

A packet plants 40 hills; a pound 400 hills; 12 pounds an acre.

HYBRID RESISTANT

***Golden Treasure.** Earliest hybrid. 66 days. Two weeks earlier than Golden Bantam and about five days earlier than Golden 60-Day. Of 120 different strains in our trials, this was the earliest of all. It has a larger ear than Golden Bantam, 12 rows of kernels of good, sweet flavor, producing 35% more shaved corn to the ear. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

***Our Choice.** Earliest hybrid. 68 days. Maturing two days later than Golden Treasure, this is the sweetest variety we know, not excluding Golden Bantam. It is heavy yielding, with a good size 12 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

***Spancross.** 69 days. All-America bronze medal, 1941. Highly resistant. 10-12 row ear, good flavor. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

***Erlibird.** 70 days. Has shorter stalks than our Marcross, but is 5 to 6 days earlier. It does not pick as heavily but is a very good early. Weight of the shaved corn on 10 ears is 1½ lbs. It is an 8 to 12 rowed yellow corn. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

***Surprise.** 64 days. 10 to 12 rows, golden yellow, ears 5½ to 6 inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. We can recommend this for your first early corn of good flavor. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

***Golden Nugget.** 68 days. An excellent early, 66 inches tall, well filled ear 7½ inches long, 8 to 12 rows of kernels. The size of the ear recommends it more than the flavor, which is medium. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

***Bancross (Vaughan's Top Cross Golden Bantam).** 76 days. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than its male parent and not as uniformly eight rowed as its female parent, though it may vary. One wishing the earliness and quality of Golden Bantam with resistance should try this. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Marcross (Top Cross Golden). 75 days. This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-Day with wilt resistance. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Early Bancross. 72 days. Five days earlier than Bancross. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Whip Cross. 75 days. Ten days later than Whipple's Yellow. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Vaughan's Golden Cross Bantam. In about 79 days. Obtained by crossing the two strains produced by G. M. Smith of Purdue. It has the same resistance and will produce a heavier crop of more uniform ears. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Narrow Grain Hybrid. 98 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

Country Gentlemen Hybrid. In about 99 days. Same season as Country Gentlemen but better yielding in poor years. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

Hybrid Blend. Hybrid corn pollinizes during so short a period that an unusual hot wave might interfere with the ears being fertilized. To overcome this we mix three Hybrids that pollinized over a 15 day period in this blend. You will thus avoid the risk described and have corn to harvest over a longer period. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

Howling Mob. 83 days. A large-eared fine second early corn. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Vaughan's Mammoth White Cory. In about 67 days. The ears are long with 10 to 12 rows, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

Early Evergreen. About 75 days. It is earlier than Stowell's Evergreen and in northern localities is a surer cropper. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Country Gentleman. About 95 days. The grain is small and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Stowell's Evergreen. About 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Vaughan's eastern grown seed develops a larger percentage of sugar than seed grown in the western states. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Vaughan's Black Sugar or Black Mexican. About 85 days. Selected for large ears and high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 10c; lb., 35c; 2 lbs., 60c.

Narrow Grain Evergreen. 95 days. Similar to Stowell's Evergreen, but with narrow and smaller kernels. Used mostly by canners. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Pop Corn

Kansas Sunburst. 110 days. It is a yellow kernel, 16 row ear, 6 inches long. Handsome to look at, wonderful popping quality, making 26 times its own volume. Developed by the Kansas State College and Dept. of Agriculture. Stalks 6 to 6½ feet tall. 2 to 4 ears to stalk. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

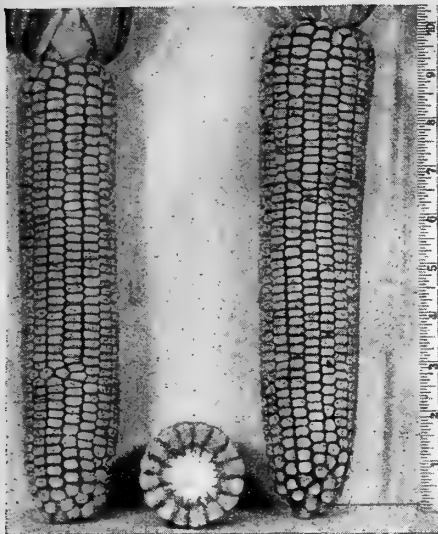
Japanese Hulless. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

Japanese Hulless Hybrid. 90 days. Very similar but a much heavier producer than Regular Japanese Hulless. Pkt., 15c; ½ lb., 40c; lb., 75c.

White Rice. Pkt., 10c; lb., 25c; 5 lbs., 90c; 10 lbs., \$1.75.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.



HIGHBRED HYBRID CORN, WISCONSIN CERTIFIED.

Certified Hybrid Field Corn

We carry only certified hybrids that are grown, inspected, graded, tested and certified under strict state supervision—in tests in several states the Wisconsin hybrids have outyielded many other hybrids by 10% and more and open pollinated strains by 30%.

Tell us your location and we will send you the strain that in our opinion is best adapted to your locality. We offer these vigorous hybrids in four strains, 105 day, 110 day, 115 day and 120 day. Each strain may be ordered as follows:

	Peck	$\frac{1}{2}$ bu.	Bu.
Flat kernels (Edge Drop).	\$2.00	\$3.50	\$6.50
Medium Round (Hill Round).	1.75	3.00	5.75
Large Round.	1.50	2.50	4.75

Above Prices Freight Paid.



WESTERFIELD'S CHICAGO PICKLE. Pkt., 10c.

Pickle Cucumbers

★Grow Quick. 48 days. A pickle type similar in shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

★Westerfield's Chicago Pickle. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium sized, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

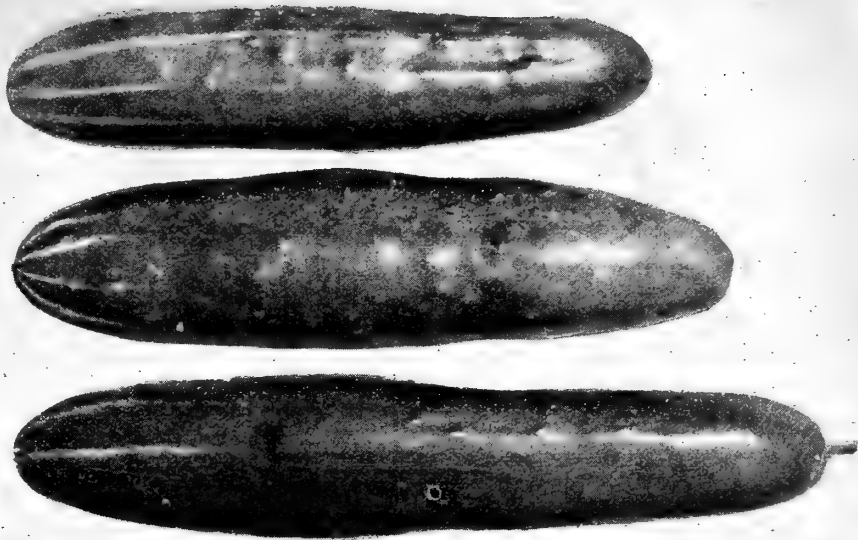
Improved Jersey Pickle. About 54 days. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." It is broader at the tip than at the stem end and nearly straight. It is very prolific. Our seed is very uniform. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

West India Gherkin. About 60 days. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 65c.

National. About 56 days. The type is shorter than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Green Prolific or Boston Pickling. In about 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Early Cluster. 55 days. Similar to Boston Pickling, but fruits come more in clusters. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.



At top, CUCUMBER STRAIGHT EIGHT; In middle, COLORADO or "A and C"; Bottom, THE VAUGHAN. Each variety, Pkt., 10c; oz., 25c.

Cucumber The Vaughan Leads In Size and Quality

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.

Home gardeners will have no trouble in producing from our strains fruits that excel in table quality. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and the Vaughan, largest of outdoor varieties.

★The Vaughan. Matures in about 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

★Colorado, or "A and C." 68 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

★Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c.

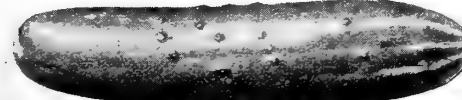
★Mincu. Matures in about 45 days. Its fruits averaging $4\frac{1}{2}$ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

★Mandarin. Matures in about 45 days. Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. It is 10 to 12 inches long, $1\frac{1}{4}$ to $1\frac{1}{2}$ inches in diameter, deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

★Midget or Hill Cucumber. 60 days. Produced by Dr. Yager of the North Dakota Agricultural College and is the true hill type. The cucumber is about 6 in. long and $2\frac{1}{2}$ in. in diameter. Fit for any small home garden. Pkt., 20c.

Earliest of All. About 60 days. A fair size, dark green White Spine. Of special value for first crop. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Early Fortune. In 64 days. Medium length White Spine, much planted in the south. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.



CUCUMBER MANDARIN. Pkt., 10c.

Vaughan's Improved Arlington White Spine. About 60 days. A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Evergreen White Spine. About 60 days. A great blight resister. 8 to 12 inches long. Select stock. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c.

Improved Long Green. In 68 days. Used for yellow chunk pickles. The vines are vigorous and productive; the fruit (12 inches long) has a distinctive flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Davis Perfect. 65 days. Fine length, slimmest, beautiful dark green color and enjoyable crispness are qualities of this long white spine variety. Its extremely vigorous growth makes it the best blight resister of long sorts. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Japanese Climbing. About 68 days. This is quite resistant to disease and insects. It is good quality and of a dark green color when young, turning to a russet-yellow when ripe. May be grown on a trellis. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c.

Deltus. In 72 days. A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

White Wonder. 55 days. This variety of fine quality bears fruits 7 to 8 inches long which, when young, have pure white skin. Valued for table use and exhibition. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

FIRST RESISTANT CUCUMBER

Shamrock Resistant. 65 days. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long, bred by the Iowa Agricultural Experiment Station. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 65c.

ODD CUCUMBERS

Lemon Cucumber. In 65 days. Not the same as the Garden Lemon, though similar in appearance. It is a real cucumber, Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Serpent or Snake. In 80 days. A curious, twisted cucumber. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

ENGLISH FRAME CUCUMBER

Rollison's Telegraph. In about 60 days. English greenhouse forcing. Pkt., 25c.



BLACK KING KISSIN NEW YORK PURPLE MINNOVAL BLACK BEAUTY

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

★**Kissin.** Matures in about 70 days. The earliest and most prolific variety we have tried. On a small bush as many as 12 fruits are borne, each 6 inches long and 3 inches in diameter. This oval shape makes slicing easier, and the quality is superb. Color is a rich dark purple. Pkt., 15c; ½ oz., 30c; oz., 50c.

★**Black King.** 75 days. This new hybrid from Japan is a heavy yielder, a vigorous grower and earlier than other varieties. The fruit is about two-thirds as large as Black Beauty and the vines produce as many as thirty fruits. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

★**Black Beauty.** 80 days. Twelve days earlier than New York. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome luster. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

Improved New York Purple. About 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

New Hampshire. 100 days. Earlier and smaller than Black Beauty, and of the same type, it yields more fruits. Must be harvested as soon as mature for best quality. Pkt., 15c; ½ oz., 35c; oz., 60c.

Minnoval. 72 days. See Novelty Pages for description. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.75.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Horseradish Sets

Horseradish. The roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 40c; 100, \$2.50; 1,000, \$15.00.

Martynia

100 days

The tender young seed pods, gathered when half-grown, make excellent pickles. Pkt., 10c; oz., 65c.

Tobacco Seeds

Big Havana. A hybrid Havana. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

Connecticut Seed Leaf. Best adapted to climate of middle and northern states. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

Burley. The popular Kentucky sort. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.



VIENNA KOHLRABI EARLY WHITE. Pkt., 10c.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like Turnips, but are much sweeter.

★**Early White Vienna.** 55 days. White and tender. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Early Purple Vienna. About 55 days. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Short-Leaved Early Erfurt. About 50 days. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Rhubarb

★**Flare.** A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. Flesh is of fine texture, tender, juicy and crisp. Pkt., 15c; ½ oz., 30c; oz., 50c.

Vaughan's Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Victoria. A popular red strain. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. Add postage.

	Each	3	10
Victoria, 1-year.....	\$0.20	\$0.40	\$1.00
" 2-year.....	.25	.50	1.25
" 3-year.....	.40	.90	2.00

McDonald Crimson Divisions. Rich red, low acidity, thin skin, fine grain and fruity flavor. Each, 40c; 3 for \$1.00; 10 for \$3.00.

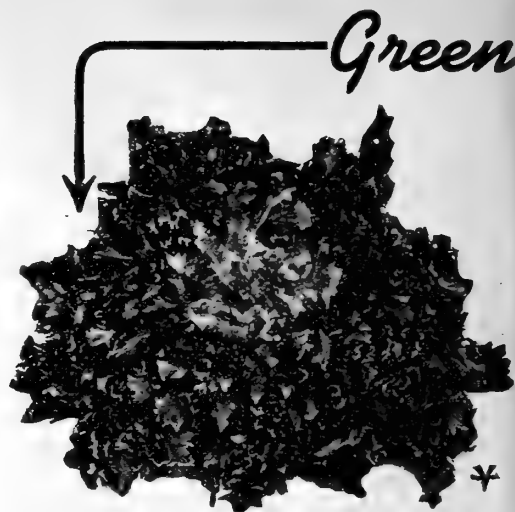
Rutabagas

Mature in 90 days.

★**Vaughan's Improved American Purple Top** is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

White Swede. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Canadian Gem. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.



ENDIVE GREEN CURLED. Pkt., 10c; Oz., 25c.

Endive

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

Cos Endive. See Novelty Pages for description. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.

★**Full Hearted Escarole** (Broad Leaved, White). 92 days. Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Florida Deep Heart** 95 days. Similar to Full Hearted Escarole. It has a deeper heart and is more easily blanched. Pkt., 10c; oz., 35c; ¼ lb., 75c.

Green Curled. In 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Moss Curled. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Rose Ribbed Curled. In 75 days. Has leaf ribs of red. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Ever White Curled. About 75 days. Very crisp Pkt., 10c; oz., 25c; ¼ lb., 65c.

Deep Heart Fringed. Deep self-blanching heart. Leaves are cut and curled at edges, growth upright, rib and heart white. Pkt., 15c; oz., 45c; ¼ lb., \$1.50.

Chicory

Witloof (French Endive). In about 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 10c; oz., 75c.

Large Rooted Magdeburg. 65 days. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

55 days. Cultivated
★**Asparagus Chicory.** for its fresh green shoots, which are boiled in salt water and served hot, or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.75.

Cress

Upland Cress. About 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c.

Curled Garden. About 65 days. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Water Cress (Wasser Kresse; Cresson). About 75 days. The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.00.

Leaves for Bowl Salads



**LETTUCE EXPRESS COS
OR ROMAINE**, Pkt., 10c; oz., 20c.



LETTUCE OAK LEAF,
Pkt., 15c; oz., 25c.

TASTY bowl salads not only delight the palate, but when made with green leaves, are rich in Vitamin A and other dietary necessities. Home gardeners may plan their sowings so as to have bowl salad materials throughout the season. Heading varieties of lettuce, except the new Cosberg (illustrated) may not head readily in hot weather sections, but they grow rapidly and produce an abundance of leaves. We group together many suggestions for the bowl salad schedule. Quick growth is essential for all leaf crops. Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.

LEAF LETTUCE

★Lettuce Oak Leaf. 40 days. Leaf lettuces are so far superior to the blanched heading type for bowl salad, there is a growing demand for them throughout the summer. This novel variety excels in ability to withstand hot weather without turning bitter. Its leaves are small, tender, and deep green, testifying to their richness in Vitamins. It has the superior flavor of the butter-type leaf. Pkt., 15c; oz., 25c; ¼ lb., 60c.

★Black Seeded Simpson. **Matures in about 46 days.** The excellent qualities of this variety have been constantly improved in our select strain. Its large leaves in the rich green color which gives proof of Vitamin C content, are thin, tender and crisp, the inner ones forming a loose head. It is one of the most vigorous varieties in hot weather and being slow to run to seed, it gives a long harvest period. It is especially adapted to the needs of the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Grand Rapids. About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing, is a curly leaved lettuce of upright habit, permitting close planting. An excellent keeper and shipper. The leaves are light green, daintily curled, tender and crisp. The flavor is delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Early Curled Simpson. About 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Prizehead. About 45 days. A popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Crisp as Ice. 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 10c; oz., 40c; ¼ lb., 75c.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

Express Cos. In 70 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Paris White or Trianon. In 75 days. Grows to large size. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

HEAD LETTUCE

★Cosberg. 76 days. Small compact heads, firm, clear to pale green, withstands heat, somewhat resistant to blight. Matured tight heads in July, in Chicago last summer. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★New York No. 12. **Matures in about 80 days.** This is the variety grown in California and shipped the year around to eastern markets. It is the largest of all head lettuces, often weighing two pounds. It matures slowly, first forming a conical head which becomes globular. It stands the hot weather well. Because of its size plenty of room must be given between plants. We offer the highly selected strain known on the Pacific Coast as No. 12. Our strain is specially selected for earliness and ability to withstand hot weather. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed, as soon as the soil is prepared. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★Iceberg. **Matures in about 84 days.** This makes a small head which is the tightest of any variety we know, and it resists hot weather well. Its leaves have small indents which fill with dew drops, giving the plant a crystalline appearance, hence its name. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★New York No. 515. **Matures in about 80 days.** This is a curled, crisp heading variety, large size, dark green. It is a cross between New York and Iceberg and was bred for resistance to tip burn, to which it shows strong resistance. Excellent for the home or market garden. Pkt., 15c; oz., 30c; ¼ lb., 75c.

★Improved Hanson. **Matures in about 80 days.** This tight-heading globe-shaped variety excels especially with its vigorous growth in hot weather, which makes it well adapted to midwest conditions. It has broad leaves, beautifully crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Imperial Lettuce No. 44. **About 82 days.** The latest introduction in blight resistant types. This new type of New York gave the largest percent of heads of any lettuce in our trials in 1939. Heads a little earlier than 847 and is a little more curled. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

★Imperial No. 847. **84 days.** A strain of New York found by experience to be the best suited to our conditions which we offer at: Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Vaughan's All Seasons. **About 80 days.** In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome. It stands hot weather well and is slow to run to seed. Pkt., 10c; oz., 20c; ¼ lb., 60c.



LETTUCE COSBERG, Pkt., 10c; oz., 35c.
Tight Head Matured in Chicago Garden in July.

May King. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Vaughan's Big Boston. In about 75 days. With southern gardeners who ship north, this is considered the best early large heading sort. Its earliness makes it valuable for home gardeners in the north. Large heads of bright green leaves, very tender. Pkt., 10c; oz., 25c; ¼ lb., 60c.

California Cream Butter. About 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Mignonette. In 67 days. A delicious, crisp, solid, small lettuce. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Corn Salad

Field Salad. In 45 days. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in winter in place of Lettuce. Sow either in spring or fall. Pkt., 10c; oz., 50c.

Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens, and salads, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 25c; ¼ oz., 40c; oz., 75c.

Finnocchio

Fennel, Florence. 85 days. It has an enlarged leaf base which should have the dirt drawn up around it when it is the size of a hen's egg. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c.

FAST GROWING HEAVY YIELDING GREENS FOR POULTRY

New Chicken Lettuce. About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.



VAUGHAN'S MILWAUKEE MARKET, SELECTED SEED. Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., 75c.

Early Melons Bred for Northern Gardens

TO ONE who has tasted a Vaughan's Milwaukee Market or Hearts of Gold muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor, small seed cavity and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honeydew, they do not improve after picking. Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

***Hearts of Gold.** 80 days. For the home garden, this is our idea of the most delicious variety that can be grown. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Vaughan's Milwaukee Market.** Matures in about 80 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding on our Michigan farms, and has reached its highest point in seed from hand-cut, inspected melons. Seed from hand-cut, inspected melons—Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., 75c.

***Honey Rock (or Sugar Rock).** 85 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Imperial.** 85 days. Pale cream color skin with small amount of coarse netting, but looking quite smooth. Yellow flesh and a faint Honey Dew flavor. Season of Milwaukee, very similar to Weaver's Special, but smaller and more subject to cracking. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Bender's Surprise.** 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. An excellent home garden variety. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Pride of Wisconsin.** 85 days. This new variety seems to include many of the desirable characteristics of the Honey Rock. The rind is very hard, of a pearly grey color, with but a faint rib, heavily covered with a distinctive netting. The flesh is unusually thick with good flavor. Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., 75c.

***Superb.** 90 days. Delicious, thick-fleshed with flavor blending Osage and Honey Rock. Grows 6 to 8 inches long, 5 to 7 inches in diameter. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

***Pride of Michigan.** 85 days. Originated by H. C. Owen on our farms. A cross between Milwaukee Market and Honey Rock. Variable in outer markings, but of small cavity, thick flesh and excellent flavor. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

***Golden Marvel.** 90 days. (Golden Osage.) A melon varying in shape from round to oblong, with varying netting, small seed cavity and thick flesh of excellent flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Golden Oblong.** 87 days. It has the appearance of Honey Rock, 10 inches long, 6 inches in diameter; but superior flavor. George Swisshimer of Muskegon, Mich., says of it: "In the fashionable White Lake and Sylvan Beach, resorters prefer this melon over all others." Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Tip Top. 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.



CUBAN QUEEN

Each, pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c;



DIXIE QUEEN



OVID



RED RUSSIAN

One packet of each (4 packets), 25c.

Newest Early Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

***Stone Mountain.** 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Stone Mountain Resistant No. 5.** 85 days. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

***Ice Box.** 70 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Cole's Early.** 80 days. The northern states' favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

***Dixie Queen.** 85 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Cuban Queen.** Like Dixie Queen, with black seed. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Ovid. 75 days. Very similar to Red Russian, darker green, bright red flesh with black seeds. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Hales Best No. 36. 86 days. This is the improved Hales Best type of outstanding merit. It not only is resistant to mildew and the ideal melon for shipping but is rapidly becoming a leader in other sections where Hales Best is grown. The shape is oval, the size is medium with heavy net and a faint stripe which insures earliness. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Vaughan's Select Early Osage. About 84 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Persian. About 102 days. Perhaps the largest of all quality melons, but with too long a season to mature in the north. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Honey Dew. 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c.

Banana. In 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Emerald Gem. In 87 days. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Mango Melon or Vegetable Peach. 90 days. Makes splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Rocky Ford Pink Flesh. 95 days. Same as Rocky Ford Netted Gem except pink flesh. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

THE ROCKY FORD TYPE

Rocky Ford Netted Gem. About 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Pollock, 10-25. About 98 days. Salmon tint. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

***Red Russian.** Or Early Kansas. 85 days. Flesh very deep pink, brown seeds, thin rind and very solid center. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Klondyke. Striped. In 90 days. Known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Tom Watson. In 92 days. The flesh is rich red; tenderly melting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Sweet Siberian. In 80 days. A very early variety of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Improved Kleckley. About 87 days. Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Irish Grey. In 90 days. A mottled greenish grey, equal of any. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c.

Wilt Resistant Kleckley's No. 6. 92 days. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Citron. In 90 days. For preserves. Red or green seeded. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Winter Watermelon. 85 days. Like Honey Dew in size and long-keeping qualities. Prolific and excellent flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

OTHER GOOD WATERMELONS

Rattlesnake or Gypsy Striped. About 92 days.

Halbert Honey. Matures in about 87 days.

Early Fordhook. 85 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Golden Honey. 90 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Any of above, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.



PARSLEY, Champion Moss Curled. Pkt., 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

The rooted parsley provides excellent flavoring for soups and stews. **Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.**

★Vaughan's Champion Moss Curled.

In about 70 days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Vaughan's XXX Parsley. In 75 days. Curled

leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Plain or Italian. In 72

days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Double Curled. 70 days.

Dwarf, handsome green, curled variety. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Hamburg Rooted or

German. 90 days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Evergreen. In 80 days.

Darkest green curled. All-America award. Pkt., 15c; oz., 20c; ¼ lb., 50c.



Hamburg Rooted Parsley. Pkt., 10c.

Chervil

Double Curled. About 70 days. An aromatic plant resembling parsley but being superior in flavor. Seed requires four to five weeks to germinate. Pkt., 10c; oz., 45c; ¼ lb., \$1.50.

Parsnips

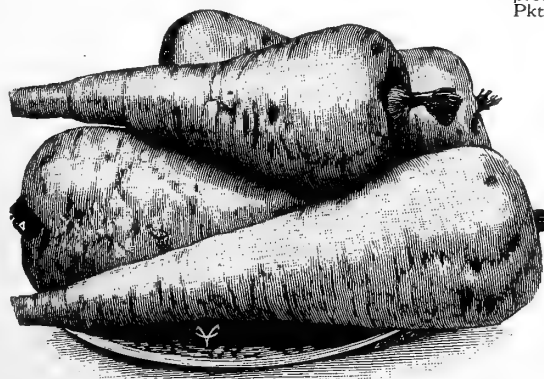
PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure need not be used as it will cause the roots to divide. **Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.**

★Vaughan's Marrowfat. In 95 days. The illustration tells the story of uniform good size, fine shape, clean, smooth skin. In richness of flavor it is unequaled. For exhibition it is a winner. Pkt., 10c; oz., 25c.

Hollow Crown, Long Smooth. About 95 days. Tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 20c; ¼ lb., 45c.

Improved Guernsey. 95 days. An improvement over the parent, "Hollow Crown," but it is much larger in diameter, though not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Ideal (All-America). About 95 days. Shorter than Hollow Crown and freer from side roots; tender, uniform and slightly hollowed neck. Washes up a good white. Pkt., 10c; oz., 20c; ¼ lb., 50c.



VAUGHAN'S MARROWFAT PARSNIPS. Pkt., 10c.



MAGNUM DULCE

RUBY KING

CALIFORNIA WONDER

HUNGARIAN

New Giant Peppers

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. **One packet produces 75 plants; one ounce, 1000 plants.**

★Early California Wonder. about 60 days.

A quality giant which is recommended for the home garden. Mild, sweet, midseason, it produces fruits to equal the largest, 4 inches in diameter by 4½ inches long, with thick flesh and bright crimson coloring. Pkt., 20c; ½ oz., 65c; oz., \$1.15.

★California Wonder. About 75 days. A mild, sweet variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. One of the heaviest peppers grown. Pkt., 15c; ½ oz., 40c; oz., 70c.

★"Windsor A." 70 days. Production of the Connecticut Agricultural College and is similar in structure to California Wonder but more productive and earlier. Pkt., 10c; ½ oz., 35c; oz., 65c.

★Vaughan's Giant Magnum Dulce.

In 67 days. This mild pepper grows to immense size—7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 40c; oz., 70c.

★Harris' Early Giant. 63 days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; peppers 4 by 4½ inches. Color, deep green turning to red; very sweet. Pkt., 15c; ½ oz., 40c; oz., 70c.

World Beater. About 75 days. Fruits 5 by 3½ in. diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Crimson Giant. About 70 days. One of the earliest large red. The peppers are green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 75c.

King of the North. In 64 days. A sweet medium short and blocky. Not quite as early as Early Giant. Pkt., 20c; ½ oz., 40c; oz., 70c.



PEPPER, EARLY CALIFORNIA WONDER

Chinese Giant. 80 days. Grows 4 to 5 inches broad on top and of equal length, mild flavored and makes a very fine salad sliced and served like tomatoes. Pkt., 20c; ½ oz., 45c; oz., 75c.

Hungarian (Hot). In 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Pale green turning to red. Pkt., 15c; ½ oz., 40c; oz., 70c.

Hungarian (Sweet). In 65 days. Same as above, but sweet. Pkt., 15c; ½ oz., 40c; oz., 70c.

Ruby King. In 68 days. One of the most popular, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; ½ oz., 35c; oz., 60c.

Bull Nose, Hot. In 70 days. A pungent pepper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Pimento Perfection. In 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 25c; oz., 45c.

Large Bell. 70 days. Large, mild. Pkt., 10c; oz., 50c.

Cayenne. 70 days. Long, red, hot. Pkt., 10c; oz., 50c.

Vaughan's Sweet Mountain. In 70 days. Very productive; the flesh mild and thick, 6x4 inches. Pkt., 10c; oz., 50c.

Oakview Wonder. In about 70 days. High quality combined with earliness, and high yield. Pkt., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

Fordhook. 60 days. Large, early and bears upright clusters of 5 to 7 fruits, thick walled, and of excellent quality. A good garden or market pepper. Pkt., 20c; ½ oz., \$1.25.

Sweet Banana. Pkt., 15c; oz., 50c; ¼ lb., \$1.50. See Novelty Page 17.

Golden Queen. In 78 days. Pkt., 10c; ½ oz., 40c; oz., 70c.

Tabasco. About 95 days. Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c.

Red Chili. 75 days. Good hot pickling. Pkt., 10c; ½ oz., 40c; oz., 70c.

Chili Anaheim. In 80 days. Pkt., 10c; ½ oz., 40c; oz., 70c.

Pimento Sunnybrook. About 73 days. Pkt., 10c; ½ oz., 40c; oz., 70c.

Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We give FREE with orders for our Mushroom Spawn a leaflet, "How to Grow Mushrooms."



PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The spawn is dried thoroughly and wrapped in paper, with full directions how to grow mushrooms. Per carton.....\$ 0.90 25 cartons for...\$18.75 12 cartons for... 9.00 50 cartons for... 36.50 If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per bottle.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white and cream. Per brick.....\$ 0.35 Per 10 bricks....\$ 2.75 Per 5 bricks.... 1.50 Per 25 bricks.... 5.50 Per 50 bricks.... 10.00 Per 100 bricks... 18.00 If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy. Matures in about 50 days.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 15c; ¼ lb., 25c.

White Lightning. 65 days. Similar to White Velvet, 6 in. longer pod, remaining tender for a greater period of time making it much more desirable. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in. are produced in great quantities. Pkt., 10c; oz., 15c; ¼ lb., 25c.

Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 15c; ¼ lb., 25c.

Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 15c; ¼ lb., 35c.



OKRA DWARF LONG POD IN OUR TRIALS.
Pkt., 10c.



WHITE

RED

YELLOW

VAUGHAN'S BOTTOM ONION SETS

Onion Sets, Chives, Leeks

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Quantity needed for 75 to 100 ft., 1 qt.

White Bottoms. Our sets of these are very choice, small, dry and unsprouted. Pt., 20c; qt., 30c; ½ pk., 60c; pk., \$1.00.

Yellow Bottoms. Fine dry sets, medium in size and unsprouted. Pt., 20c; qt., 30c; ½ pk., 50c; pk., 90c.

Red Bottoms. Bright, deep red in color, even and dry. Pt., 20c; qt., 30c; ½ pk., 50c; pk., 90c.

Golden Globe. Sets. 1 Pt., 25c; qt., 40c; ½ pk., 60c; pk., \$1.00.

Globe Sets. Red, yellow and white. Pt., 20c; qt., 30c; ½ pk., 60c; pk., \$1.00.



EGYPTIAN OR RED PERENNIAL SETS
FOR FALL PLANTING.

Egyptian or Red Perennial. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green Onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Pt., 20c; qt., 35c; ½ pk., 60c; pk., \$1.00.

White Multipliers. Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There are usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. Pt., 25c; qt., 40c; ½ pk., 95c; pk., \$1.75.

Shallots or Yellow Multipliers. Flavor much superior to ordinary onions. Pt., 20c; qt., 30c; ½ pk., 60c; pk., \$1.00.

Yellow Potato. Pt., 25c; qt., 40c; ½ pk., 75c; pk., \$1.25.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per 100, 30c, postpaid. Per 1000, \$2.00, postage extra; weight about 6 lbs. per 1000.

The largest onions may be grown from sets ½ to ¾ inches in diameter. Golden Globe or Riverside sets are best for this purpose.

Garlic Sets

Selected Bavarian. In about 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 40c; 10 lbs., \$3.50. Postage extra. Write for latest market prices on quantities.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The seeds are used for seasoning. The flowers are a beautiful lavender. Pkt., 1c; ½ oz., 35c; oz., 65c.

Leeks

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

★**Elephant.** Largest of all leeks. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

Large Carentan. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.



LEEK ELEPHANT. Pkt., 10c.

Onions Bred to Like Your Soil and Climate

PLANT breeders select for parents specimens which do well in their breeding grounds. If bred in Illinois, the progeny of these plants will be resistant to Illinois hazards, and will have a liking for similar soil and climate.

Breeding work in California necessarily develops strains that thrive under the unique California conditions but which might not thrive so well elsewhere. Because of this we breed all our onions in Illinois, so we can know that our strains are adapted to the conditions of soil and weather which prevail in the great area lying east of the Rocky Mountains to the Atlantic Ocean, where our seed is chiefly grown. Liking for this environment is bred into our onion strains.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

Onions for Winter Keeping

Ball type. In
Southport Yellow Globe. about 110 days.

For growing on muck soil, this is the best keeping strain we have been able to develop in years of growing and selecting. This is the most uniform strain and will keep in storage longer than any other we know. It is preferred by large onion growers. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Southport Red Globe. About 110 days. A little deeper than Southport Yellow Globe, in color a rich dark red. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

Vaughan's Special Yellow Globe. 115 days. ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Golden Globe. 115 days.

An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.



Golden Globe. Pkt., 15c.

Large Red Wethersfield. About 100 days. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 10c; oz., 45c; ¼ lb., \$1.40; lb., \$4.00.

Fancy Yellow Globe Danvers. About 110 days. This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Brigham Yellow Globe Onion. 110 days. A strain of Southport Yellow Globe. While not as uniform in shape, it is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Ohio Yellow Globe. In 110 days. Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Vaughan's Ideal White Globe. About 110 days. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 10c; ½ oz., 50c; oz., 95c; ¼ lb., \$2.75.

BUNCHING ONIONS

White Bunching Onion. 60 days for bunching; 120 days to mature. A European onion for early spring and summer bunching. Makes a very nice white tender stalk. Pkt., 10c; oz., 30c; ¼ lb., 90c.

He-Shi-Ko or Japanese Bunching Onion. Sow early in the spring and harvest green onions all the summer. It is much superior to the Early White Welsh in having larger leaves, longer stalks and remaining tender much longer. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

White Pearl. In 90 days. Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$4.50.

White Barletta. About 65 days. Beautiful waxy white. Pkt., 10c.

Japanese or Ebenezer. In 100 days. There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable onions than does the old Strasburg or Danvers. Moreover, a smaller percent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.35; lb., \$5.00.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.



VALENCIA SWEET SPANISH. Pkt., 20c.

Spanish or Bermuda

Valencia Sweet Spanish. Matures in about 110 days. Here is a mild, sweet, giant onion of the true Spanish or Bermuda type, which you can grow from seed in your own garden. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. It takes two or three years for us to produce seed in Illinois, and the crop is always light, but the quality justifies the increased cost of seed. These onions are delicious at all stages of growth and will give you something to boast about. Pkt., 20c; ½ oz., 50c; oz., 95c; ¼ lb., \$2.75.

Riverside Sweet Spanish. 110 days. This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. In color it has a cream or pale yellow tint. Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Riverside White Spanish. 110 days. Large, est of the Spanish type, bred from parents noted in Spain for size and mild flavor. It is unequalled for the production of tender, mild green onions for table use, and if grown to maturity produces a large white bulb of remarkable keeping qualities. We recommend it to home gardeners for eating raw both as green onions and in its mature stage. Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Prizetaker—American Grown. 105 days. Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Crystal White Wax. In about 90 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Teneriffe seed. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.

Ailsa Craig—Vaughan's Selected Stock. In 115 days. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes. The shape is globular and it forms a fine thick neck. It is, for a large onion, a splendid keeper; for eating raw it has no superior.

Yellow Bermuda. In 90 days. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped north for early spring use. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.

Mammoth Silver King. About 110 days. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape, flat, but thick. Pkt., 10c; oz., 45c; ¼ lb., \$1.35.

For a continuous crop of green onions, sow He-Shi-Ko in August for the first crop in early spring. Plant sets in spring for second crop and sow White Lisbon seed in spring for summer green bunch.

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

White Portugal or Silverskin. About 100 days. This beautiful white onion sets a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.50.

Brown Australian (Flat). About 100 days. A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder and a long keeper; keeps well in warm climates. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.35; lb., \$4.00.

ITALIAN ONION SEED

Vaughan's Pickling. About 90 days. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$2.50.



GIANT STRIDE PEAS. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

Eat Your Own Peas Six Weeks for 25¢

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

DWARF

★ **Little Marvel.** 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

★ **Giant Stride.** 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

★ **Early Gilbo.** 72 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ¾ inches wide, of the Dwarf Alderman type. Season 69 days. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

★ **Nott's Excelsior.** In 62 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 5 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.



LAXTON'S PROGRESS. Pkt., 10c.

Sow in Early Spring
LITTLE MARVEL—Dwarf, Early
EARLY GILBO—Dwarf, Main Crop
CENTURY OF PROGRESS—Dwarf, Late
1 Pkt. of Each (3 pkts.), 25c.
½ lb. of each (1½ lbs.), 50c.
1 lb. of each (3 lbs.), 85c.

★ **Century of Progress.** 74 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

★ **Laxton's Progress.** 62 days. The earliest of the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

Sutton's Excelsior Improved. In about 63 days. It is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. Very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, dark green color. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

American Wonder. 61 days. Among the oldest of the home garden peas it is being superseded by Nott's Excelsior and Little Marvel. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Premium Gem. 64 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel as they are superior. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Dwarf Telephone or Daisy. About 76 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Dwarf Defiance or Stratagem. About 79 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★ **Vaughan's Improved Telephone.** 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

Everbearing. About 74 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Black-Eye Marrowfat (Late). About 80 days. A great yielder of ordinary quality peas. Pkt., 10c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.

White Marrowfat. In 72 days. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00.

EDIBLE POD PEAS

(Cooked like String Beans)

Mammoth Poddled Sugar. In 74 days. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 80c.

Dwarf Gray Sugar. About 65 days. Vines 16 inches. Pkt., 10c; 1 lb., 40c; 2 lbs., 70c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

★ **World's Record or Improved Gradus.** 60 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c.

Thomas Laxton. About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c.

Alaska—Called Earliest of All. In about 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., 90c.

Pea Cultural Notes

Peas are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

Northern Potatoes

CERTIFIED STOCK

WE offer Michigan and Minnesota certified stock, inspected while growing by authorized state agents and found grown from vigorous fields and free from serious diseases and varietal mixture. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

Certified Stock. Will be supplied at 50c advance per bushel over regular seed stock.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the east and the latter in the west. One of the rural type is recommended for the late crop.

Warba Resistant. Warba is a new potato bred by the Minnesota Experiment Station, which is early, highly productive, resistant to mosaic disease, with upright compact vines. Tubers of excellent cooking quality and uniform size are round and blocky, of white flesh and pale skin with pink eyes, ten days earlier than Early Ohio. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.25; 60 lbs., \$2.25.

Extra Early Six Weeks. The standard early potato in the south. It is round, reddish skinned, with rather deep eyes; of medium size. As they appear early in the spring on the northern market they command a large premium. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

Irish Cobbler—Early Heavy Cropper. An early of medium size, and in light soil maturing almost as soon as the smaller cropping earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

Rural New Yorker. "No. 2. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

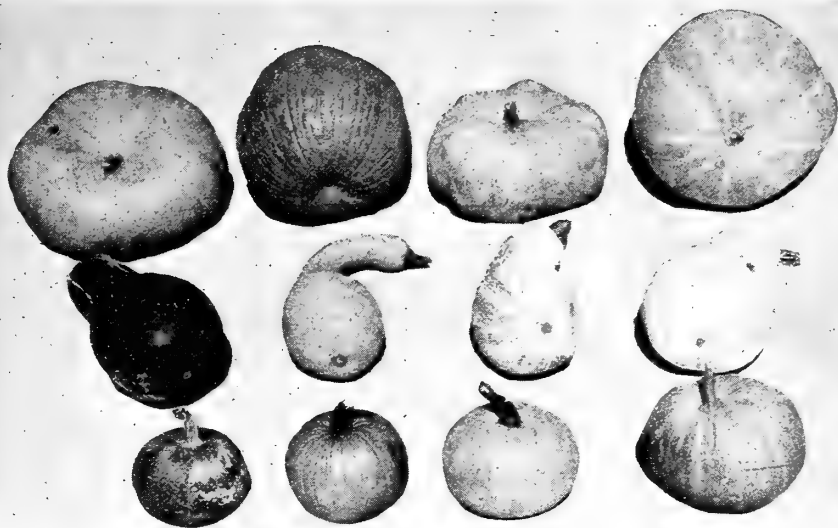


IRISH COBBLER.
5 lbs., 30c.

VAUGHAN'S IMPROVED EARLY OHIO.
5 lbs., 30c.

Vaughan's Improved Early Ohio (Red). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

Katahdin. Originated in Maine by the U. S. Dept. of Agriculture, it takes its name from Mt. Katahdin. The government spent \$250,000 in producing this variety. It is a slightly oval white, very smooth, with shallow eyes. The vines are light green and vigorous. So far no trace of mosaic has been found on plants of Katahdin. It ripens about a week earlier than Rural New Yorker and has consistently out-yielded Rural New Yorker and Green Mountain, and grades out with a smaller percent of No. 2 grade and culls. The type is very uniform and in cooking and eating qualities it is unsurpassed. Katahdin does well on rich peat soils and on muck. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.25; 60 lbs., \$2.25.



Field run pumpkins from our trials. Left to right: Top row: Mammoth French, Big Tom, Large Cheese, Mammoth Prize. Middle row: Japanese Pie, Golden Cushaw, Striped Cushaw, White Cushaw. Lower row: Bush or Everbearing, Sugar Pie, Winter Luxury, Kentucky Field.

Big and Small Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

★Autumn, Bush, or Everbearing. 100 days. For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 15c; ¼ lb., 45c.

★Vaughan's Small Sugar Pie Pumpkin. 110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

★Large Field or "Big Tom." 110 days. The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.



BUSH PUMPKIN. Pkt., 10c. Fine for Small Gardens.

Cushaw. 110 days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Vaughan's Mammoth Prize. In about 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Sweet Potato. In 110 days. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Japanese Pie. About 110 days. Fine quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

Large Cheese. About 110 days. Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Kentucky Field. In 120 days. Medium size, oval shaped, lemon-yellow color. Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

TREAT WITH QUICK, EASY SEMESAN BEL

DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel: 2 oz., 25c; 4 oz., 50c; 1 lb., \$1.50; 5 lb., \$6.50; 25 lb., \$30.00; 100 lb., \$115.00; 300 lb., \$315.00.

SWEET POTATOES

We offer Yellow Jersey (the most popular northern sort). Grown especially for seed. 10 lbs., 85c; bu., \$2.25; by express collect only.

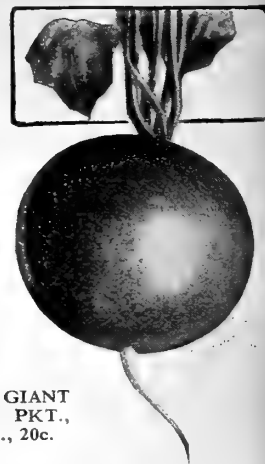
SWEET POTATO PLANTS

100 plants, 70c; 200 plants, \$1.15; 500 plants, \$2.25; 1,000 plants, \$3.25, postpaid. 1,000 plants by express collect, \$2.75.

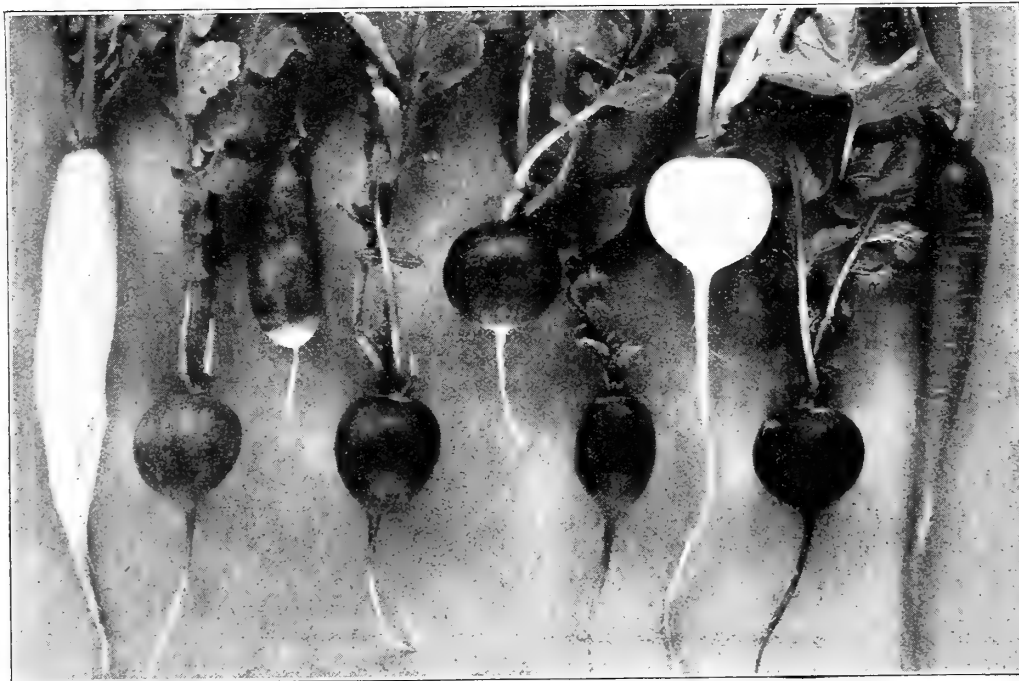
Varieties Nancy Hall, Porto Rico, and Yellow Jersey are offered, shipped direct from our growing station in Southern Illinois. They will be ready for shipment from April 15 to June 15. Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Our Giant Butter Radish is the Favorite for Home Gardens

★**Giant Butter.** 28 days. By far the largest of the early turnip radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy and by planting a succession of crops it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.



RADISH, GIANT BUTTER, PKT.,
10c; OZ., 20c.



RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long types and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

SUMMER RADISHES

When hot weather comes and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Long White Vienna. In 29 days. Snow white, very brittle and crisp.

White Stuttgart. About 45 days. A turnip-shaped large white radish.

White Strassburg. About 40 days. Larger size and thicker than Vienna. Very solid.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

The Munich. In 60 days. The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin, mild and delicious. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Each of the following, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

California Mammoth Winter. About 60 days. Long, very large size.

Rose or Scarlet China. In about 52 days. Rose, medium size, fine keeper.

Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

Black Spanish, Long. In 58 days. Black skin and white flesh.

Black Spanish, Round. In 56 days. Like Long Black, only round.

(F.) Forcing Sorts.

Long Season Radish Mixture.

$\frac{1}{2}$ oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Icicle, Brightest Long Scarlet, and White Stuttgart. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

Icicle Crimson Globe French Breakfast
Scarlet Globe

Sparkler White Box
Vick's Scarlet Globe Saxa Cincinnati Market

★**Early Scarlet Globe Select.** (F.) 20 days. Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Short Top—Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Medium Top—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

★**Scarlet Turnip White Tip.** 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

★**Icicle.** 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Earliest White Olive. (F.) 28 days. Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small top—can be planted close, a very tender radish. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Saxa. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

Early Long Scarlet Short Top. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., 95c.

Vaughan's 20-Day. (F.) 20 days. The quickest red olive-shaped radish, matures in 20 days; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permit close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Improved French Breakfast. (F.) 25 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Early Deep Scarlet Turnip. 26 days. An old standby. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Early Scarlet Globe White Tip. 22 days. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.



Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Here are the *Healthful Garden Greens*

New Long Season Spinaches



SPINACH KING OF DENMARK. Pkt., 10c.

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

***Summer Savoy.** 45 days. A further advance over Long Standing Bloomsdale, darker green, 3 to 4 days longer standing and extraordinarily uniform. It is a trifle more curled, but its greatest advantage is its better performance in summer. Our experience is that for early summer and fall cutting our regular Long Standing Bloomsdale is excellent, but for summer use the Special Mention Savoy gives the best results. Special Mention All-America Trials 1937. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

***Winter-Giant.** 50 days. A variety of recent introduction which has proved fine for winter. It is smooth, large leaved and does not bolt quickly. Special Mention All-America Selections 1937. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

***Viking.** 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

***King of Denmark** (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

***Bloomsdale Long Standing.** 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

***Nobel Giant Thick Leaved.** 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

***Bloomsdale Dark Green.** 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Princess Juliana. In 50 days. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Old Dominion. 40 days. The same as Virginia Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities, which permit early fall planting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Vaughan's Special. In 43 days. An early, smooth leaved spinach, being more upright in growth than other spinaches and nearly a long standing variety. Easily cleaned and very tender. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Prickly Seeded Hollandia. 43 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Bloomsdale or Norfolk Savoy-Leaved. About 40 days. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with southern truckers. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

All-Summer Greens With Spinach Flavor

***New Zealand Spinach.** Tetragonia Expansa. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Other Greens for All Year

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2 $\frac{1}{2}$ feet apart. Dwarf sort can be sown later. Frost improves flavor.

Dwarf Green Curled Kale. In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Vaughan's Excelsior Moss Curled Kale. Ready in about 55 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Tall Green Curled. About 60 days. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Siberian. In 65 days. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Sea Kale. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. No Seed Available.

Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.



CUT & COME. LARGE WHITE RIB. SWISS CHARD. Pkt., 10c.

Swiss Chard

***"Cut and Come Again."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Lucullus Swiss Chard. About 55 days. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the Summer months. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Large White Rib (Dark Green). The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide, and makes an excellent substitute for asparagus when cooked with milk. The leaves are fine for greens. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Fordhook. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Mustard

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

Chinese Smooth. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

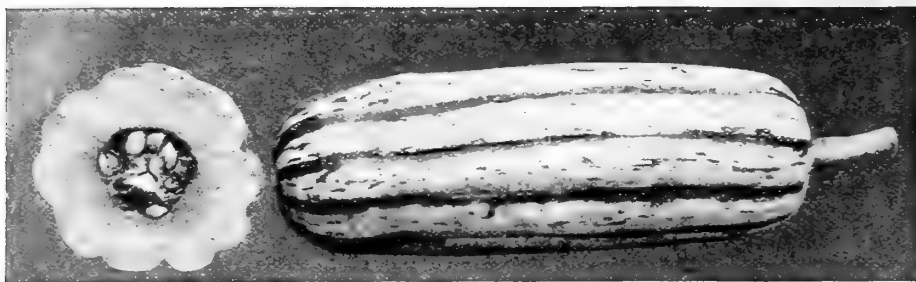
White. Good for general use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

New Fast Grower

Tendergreen. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An excellent addition to the list of greens. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Collards

A leafy plant having foliage similar to that of cabbage, but does not form a head. Is used as greens and is adapted to districts where the cabbage does not head readily. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



SQUASH SWEET POTATO IMPROVED. (Delicata Resistant). Pkt., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.00.

Delicious Modern Squashes

SQUASH are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

Sweet Potato Improved. (Delicata Resistant.) 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits like the Sweet Potato but much larger, averaging 8 to 9 inches, $3\frac{1}{2}$ to 4 inches in diameter. Cream skin is marked by green stripes, flesh thick, orange and of unsurpassed sweetness. Pkt., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.00.



SQUASH BUTTERCUP. Pkt., 10c; oz., 35c.

***Buttercup.** 100 days. Its quality has no equal. The seeds are centered in blossom end and the rest of the interior is heavy flesh. This is a winter squash and an excellent keeper. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 65c.

***Acorn, Table Queen, or "Des Moines."** Specify Green or Golden. Matures in about 58 days. In size equals a coconut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, keeping this color after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

***New Squash "Kitchenette" (Hubbard).** 110 days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

***Vaughan's Chicago Warted Hubbard.** 110 days. Vaughan's Chicago Warted Hubbard Squash has been bred to the highest quality; fruits are large, rough dark green skin, flesh is bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

New Brighton. Warted Hubbard type but twice the size. A very fine squash and well selected. This should be grown where the demand is for a large type. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

***"Sweet Potato."** 100 days. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and it is thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

***Blue Hubbard.** 110 days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-grey shell is more attractive and many prefer it. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$1.75.

Golden Hubbard. About 100 days. Like original Hubbard, and warted, but average one-half to one-third smaller. The skin is deep orange yellow, flesh golden yellow, fine grained and delicious. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Original Hubbard. In 110 days. Not as large as Chicago Warted, but in shape and quality it is similar. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Delicious. In 110 days. Specify Green or Golden. A fall and winter variety. The fruit varies in shape, weight ranging from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Prolific Straightneck. 55 days. Excels in tenderness, color, and productiveness. Served when about 6 in. long it is a delicious treat. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Bennings' Bush. 55 days. White bush type, small, light green markings. Use when young. If allowed to get mature they lose their best flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Mammoth White Bush. About 60 days. An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Yellow Bush. About 52 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Mammoth Chili. In 100 days. A popular exhibition sort. Specimens grow as large as 100 pounds. Rich orange yellow color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Early White Bush. About 55 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Yellow Summer Straightneck. In about 60 days. This is a desirable improvement over the crookneck type. It will pack easier and produce as heavily. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Banana Squash. In 105 days. Of sweet potato quality. 12 inches long, 6 inches in diameter, tapering at either end. Grey-green color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Squash, Green Gold. (See Novelty Page.) Pkt., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Squash, Yankee Hybrid. (See Novelty Page.) Pkt., 15c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

Boston Marrow. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Fordhook. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Yellow Summer Crookneck. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

VEGETABLE MARROWS

Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Zucca de Pergola. About 110 days. (Cucurbita Pepo.) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

A HOME GARDEN WINNER.

***New Italian Marrow or Zucchini.** 60 days. (Cucurbita Pepo.) When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small, and if kept picked, will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long. There are two strains, one light green with lighter markings, the other dark green or almost black. Both are the same shape and size.

Light Green Strain. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Dark Green Strain. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



NEW ITALIAN MARROW IN FOUR STAGES OF GROWTH, ALL DELICIOUS

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

***Purple Top White Globe.** 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped; medium size, white flesh, fine grain, splendid quality. Top is dark red or purple, elsewhere white, fine keeper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Golden Ball or Orange Jelly. About 65 days. Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Early Snowball. In 40 days. Small, white, splendid quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Early White Milan. In 42 days. This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Shogoin. 30 days. A Japanese turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Large Yellow or Amber Globe. In 76 days. Fine quality and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Extra Early Purple Top Milan. About 42 days. An excellent medium size turnip; white flesh. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

White Egg. 60 days. Early, white skin, egg shape, tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

TURNIPS FOR STOCK

Cow Horn or Long White. In 70 days. Grows nearly half way out of the ground, carrot-shape, pure white. Oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.



PURPLE TOP WHITE GLOBE TURNIP. Pkt., 10c.

Science Breeds Tomatoes of Improved Yield and Vigor

HOME gardeners as well as market growers will find that our quality strains of tomatoes excel other seed of the same variety to so great an extent that the size and quality of their crop will be affected far in excess of any difference in the price.

Tomatoes should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner.

Quantity needed for 150 plants, 1 pkt.; for 2,000 plants, 1 ounce. Dates given are from transplanting to first ripe fruits.

THE LARGEST TOMATOES

★Ponderosa—The Giant Tomato. Matures in about 88 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★Oxheart. Matures in about 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin pink, almost seedless, firm, sweet flesh frequently 2 inches thick without a seed cavity, slices well. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

Beauty (Purple). 82 days. Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50.

Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

New King. 100 days. Exceptionally large pink fruit. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

EARLIEST VARIETIES

★Firesteel. 62 days. A small vine, large fruited tomato that is early, smooth, red through, of semi-acid flavor. Earlier than Earliana, less subject to cracking, with bush about 18 inches in diameter but having sufficient foliage to prevent scalding of the fruit. For short, dry seasons and general adverse weather conditions, there is nothing that we have had that will equal it. It produces fruit when most others fail and can be relied on to set fruit when other types are dropping their blossoms. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.50.

★Vaughan's Select Earliana. 66 days. Earliest large, smooth bright red tomato. Our strain shows few, if any, of the rough fruits found among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. This has long been the favorite early with home gardeners. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Victor. 67 days. See Novelty Pages. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.

Avon Early Tomato. In 68 days. This is scarlet-fruited, round or slightly flattened, smooth and of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Nystate. In 68 days. From N.Y. Experiment Station. A second early. Fruits large, smooth, oval; cavity shallow, blossom end well-rounded; color deep red outside and crimson inside. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

June Pink. In 69 days. In many markets, a pink early tomato is most desired. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

John Baer. About 70 days. Extra early red. Not quite so early as Earliana, though there is only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.00.

Chalk's Early Jewel. In 74 days. The original large smooth extra early red. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.10.

All Red. 65 days. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Bison. 60 days. Very early, small vine. Pkt., 10c; ½ oz., 25c; oz., 65c; ¼ lb., \$2.00.

Early Prolific. 75 days. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

MAIN CROP VARIETIES

Early Detroit (Purple). In 80 days. The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty, which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60.

Chicago Champion Tomato. 80 days. Production of W.E. Vails of Yorktown Heights, a cross between Marhio and Cooper's Special. This is blight-resistant, a very prolific bearer of pink fruit, oval to globe shape. Pkt., 25c; ½ oz., 60c; oz., \$1.00.

Vaughan's New York. About 80 days. It is a second early red-skinned, firm fleshed tomato of high quality, good size and attractive appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Gulf State Market. About 80 days. This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

New Globe. Matures in about 82 days. This ball-shaped variety is ideal for the home garden. It yields a heavy crop and continues to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds. Uniform fruits. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Cooper's Special. 82 days. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

New Disease-Resistant Strains

★Break O'Day. 70 days. Developed by F. J. Pritchard, of Washington, D.C.

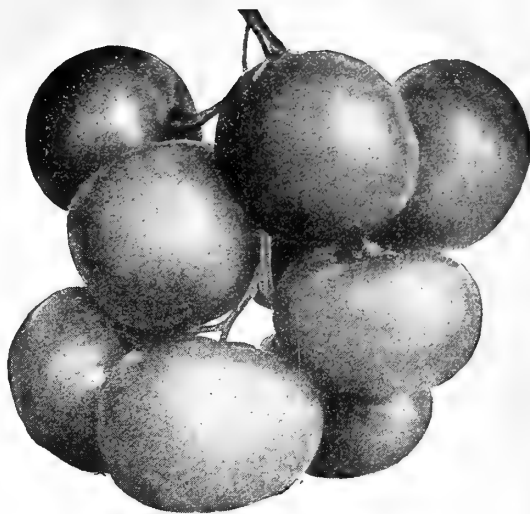
A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Illinois Pride.

About 70 days. Illinois University selection, larger, more solid, better shipper and producer on clay soil than Marglobe. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Scarlet Dawn. In 70 days. Wilt and rust resistant, of deep red color, globe shape, heavy yielder. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.

Early Baltimore. 73 days. Illinois University selection, thriving on all soils, smaller fruit, solid, bright color, heavier yielder than Marglobe. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50. **Early Baltimore certified.** Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.



A CLUSTER OF PONDEROSAS

Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; fruit deep through but not globe; smooth and very firm and solid. Pkt., 10c; ½ oz., 35c; ¼ lb., 90c.

Greater Baltimore (Indiana Strain) certified. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Penn State. In 85 days. An early variety having a distinctive habit of growth. The branches end in fruit clusters after developing six to ten joints. This makes a compact bush, with fruits exposed to the sun without pruning. It bears heavily fruits of medium size, globular, dark red. Pkt., 15c; ½ oz., 45c; oz., 85c.

Dwarf Champion. About 86 days. Owing to its dwarf habit and upright tree-like growth, it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Improved New Stone. About 86 days. "King of the Reds." One of the best main crop varieties. The smooth skin, small core, fine-grained flesh with little acidity delight the eater and give satisfaction to the grower. Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., \$1.00.

Norton. 88 days. Pkt., 10c; oz., 40c; ¼ lb., \$1.15.

Dwarf Stone—The Largest Dwarf Tomato. 92 days. This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★Pritchard (Scarlet Topper). 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75. **Pritchard certified.** Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

★Marglobe. 77 days. A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Marglobe certified. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Marhio. 83 days. This new resistant variety developed by the Ohio State Experiment Station is similar to Marglobe in shape, but of a good pink color. It is a heavier yielder than Marglobe. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.75.

Illinois Baltimore. 84 days. A selection made by Huelsen of Urbana, Ill. Maturing same season as Indiana Baltimore. Deeper through and having additional feature of being resistant. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Prairiana. In 84 days. Resistant to fusarium wilt, and productive in prairie soils and hot summers of Illinois. Selected by University of Illinois. Fruit smaller than Marglobe, but smoother, brighter color, heavier yielder in clay soil. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Rutgers. In 86 days. New Jersey Experiment Station cross on Marglobe. One of heaviest croppers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Rutgers certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.



BREAK O'DAY



YELLOW TOMATO, MINGOLD

TOMATOES—Continued.

YELLOW TOMATOES

★**Mingold.** 73 days. This yellow tomato developed by T. M. Currence of the Minnesota Experiment Station won an All-America silver medal. It matures in about 105 days, has smooth round fruits of medium size. Pkt., 15c; ½ oz., 35c; oz., 65c.

Golden Ponderosa. About 88 days. A yellow gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with Purple Ponderosa, it makes a highly decorative and appetizing salad. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Golden Oxheart. In 90 days. Similar in all respects to Oxheart except that the skin and flesh are of a beautiful golden yellow. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

Golden Queen. 84 days. Golden yellow. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 73 days.

Dwarf Pear. 73 days. Improved type. Producing as many or more pears on a dwarfed bush, 18 inches in diameter. We recommend this for the home garden to use for preserves. Pkt., 15c; ½ oz., 40c; oz., 75c.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c.

Red Currant. Very small.

Red Cherry. Small fruit, bright scarlet.

Two Peach Tomatoes. Peach shape and color.

Red or yellow.

Yellow Plum and Red Plum. Fruit about 2 inches long, 1 inch through; the one is lemon-yellow, the other plum-red.

Yellow and Red Pear. Distinct shape.

Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts and the walls are exceptionally thick. Pkt., 15c; ½ oz., 60c; oz., \$1.00.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

Bonny Best. Red. The most popular American variety, for forcing. Forcing strain.

Grand Rapids. Red. Lloyd. Red.

New Globe. Pink. Long Calyx. Red.

Michigan State

Forcing. Red. Sureset. Pink.

Any of above, pkt., 25c.

Globe. Pink. Pkt., 50c; ¼ oz., \$1.25; ½ oz., \$2.00; oz., \$3.50.

10 Best Garden Herbs 50c.

One special packet each of the following: Borage, Sweet Basil, Chives, Dill, Lavender, Sweet Marjoram, Rosemary, Saffron, Sage and Summer Savory. Packets are smaller than standard, but sufficient for average garden. Cultural directions and data on use of herbs included.

INTEREST in herb gardening is reviving for two excellent reasons: the ornamental quality of herbs, and their value for contributing flavor to the menu and fragrance to the home.

To enlarge our herb list it was only necessary for Vaughan's Seed Store, which was established in 1876, to go back to old catalogues when woodcuts were used as illustrations.

To keep herbs over winter, stalks should be cut on a dry day, when not quite in full bloom. They should be dried in the shade and when dry packed tightly in boxes with air excluded. Varieties marked (*) are perennials.

MIXTURE OF ANNUAL HERBS. This is intended to meet the needs of those who want a row or bed of herbs without buying a full packet of each variety. It contains seeds of these ten annual herbs described below: Anise, Basil, Borage, Caraway, Coriander, Dill, Marjoram, Mountain Fennel, Summer Savory and Tarragon-Russian. Sow in a row, thinning out and transplanting to proper distance. Pkt., 15c.

MIXTURE OF PERENNIAL HERBS. For small gardens—this will give enough plants of each variety to supply the family needs. It contains seeds of these ten perennial herbs described below: Balm, Mint, Pennyroyal, Chamomile, Fennel, Lavender, Rosemary, Rue, Sage, Thyme. Sow in a nursery row and transplant in the fall to the permanent location. Pkt., 15c.

One packet of each of above herb mixtures (2 packets) for 25c.

Anise. Used for garnishing, seasoning and for cordials. Pkt., 10c; ½ oz., 50c.

***Balm.** Used for making Balm wine and tea. Pkt., 10c.

Basil, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; ½ oz., 35c; oz., 60c.

Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.

Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 35c; oz., 60c.

***Catnip.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; ½ oz., 30c; oz., 50c.

***Chamomile (Anthemis Nobilis).** The dried flowers possess medicinal value. Pkt., 15c.

***Chives.** Member of the onion family used for flavoring. Pkt., 10c; ½ oz., 60c; oz., \$1.00. Plants, 3 for 65c; 12 for \$2.00. May be had in pink, lavender, white or blue.

Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., \$1.50.

***Fennel.** The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Fennel, Wild or Mountain. Used for gums and medicinal purposes. Pkt., 10c; oz., 35c; ¼ lb., 60c.

***Horehound.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

***Lavender.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. There are two kinds.

***Lavender Vera or True.** The best. Pkt., 10c; ¼ oz., 45c; ½ oz., 85c; oz., \$1.60.

***Lavender Spica.** Not quite so strong as Vera. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

Marjoram (Sweet). The leaves and ends of shoots are used for flavoring in summer and dried for winter use. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

***Mint, Old Fashioned.** For mint sauce and juleps. Pkt., 10c.

***Pennyroyal.** Leaves are used for seasoning puddings. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

***Peppermint.** The leaves and stems are used for flavoring and for oils. Pkt., 25c; ¼ oz., 65c; ½ oz., \$1.15; oz., \$2.00.

HERB PLANTS

ANNUAL

Plants from 2½-inch pots of the following, ready May 1: Postpaid, Each, 30c; 3 for 65c. In lots of 25 or more, 10c each, by express collect.

Borage, Coriander, Chervil, Florence Fennel, Sweet Fennel, Sweet Marjoram, Summer Savory.

PERENNIAL

Plants from 2½ to 3 inch pots of the following, ready May 1: Postpaid, Each, 35c; 3 for 85c. In lots of 25 or more, 20c each by express collect.

Lemon Balm, Burnet, Roman Chamomile, Costmary, Germander, Horehound, Hyssop, Applemint, Bergamot Mint, Curly Mint, Spearmint, Woolly Mint, Catnip, Pineapple Mint, Pennyroyal, Peppermint, Lavender Cotton, Lovage, Roman Wormwood, Wormwood, Rue, Sage, Winter Savory, French Sorrel, Southernwood, Tansy, Kitchen Thyme, Lemon Thyme, Caraway Scented Thyme.

Plants from 2½ to 3 inch pots of the following, ready May 1: Postpaid, Each, 40c; 3 for \$1.00.

Rosemary, Lavender, Lemon Verbena, Lemon Geranium, Nutmeg Geranium.

***Rosemary.** The leaves are used for seasoning. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

***Rue.** For medicinal purposes; good for fowls, for the roup. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

Saffron. Used for coloring dishes, also flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

***Sage, English Broadleaf.** Used for seasoning various food items. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Summer Savory. The leaves and young shoots are used for flavoring. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Tarragon, Russian. An annual form of Tarragon, easily grown from seed and giving the same flavor as the perennial plant. Pkt., 25c; ¼ oz., 50c; ½ oz., 90c.

Tarragon True. May be had only by purchasing the plants. Plants, 3 for 85c; 12 for \$2.50.

***Thyme.** Used for seasoning; a tea is also made for nervous headache. Pkt., 10c.

***Wormwood.** Beneficial for poultry. Pkt., 10c.



GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of black berries, tomato-shaped, ½ to ¾ inch in diameter, which make excellent pies and preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 30c; oz., 50c.



HERBS IN VAUGHAN'S TEST GARDEN.

House Plants from Seed

ANTIRRHINUM Snapdragon

Culture: D or E, Page 40

See Also Novelties.

	BRONZE	Pkt.
362 Afterglow		\$0.50
420 Talisman		2.00
	LAVENDER	
406 Schrock's Orchid		1.00
427 Windmill's Lilac		2.00
	ORANGE	
387A Hodaly's Ideal		2.00
	PINK	
378A Daybreak		1.00
407A Schaffroth's Pink		2.00
	RED	
407C Velvet Beauty		.50
	ROSE	
375 Cheviot Maid Supreme		.50
377A New Cincinnati		1.00
373 Christmas Cheer		2.00
	WHITE	
372 Cheviot Maid White		1.00
395 Lucky Strike		.50
	YELLOW	
374 Ceylon Court		.50
409A Cheviot Maid Yellow		.50
428 Yellow Wonder		2.00
380 Ethel		1.50

426 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES.** A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS

Culture: C. Pot up in fall, force in greenhouse. Page 40

- 430 **Plumosus Nanus.** + 3 ft. Pkt. 25 seeds 15c; 100 seeds, 50c.
- 485 **Sprengeri.** + Finest material for hanging baskets. Pkt. 25 seeds, 15c; 100 seeds, 50c.

CALCEOLARIA +

Culture: C. Pot up in fall, force in greenhouse. Page 40

- 1180 **Hybrida Grandiflora Extra Choice Mixed.** 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt. (300 seeds), 50c.
- 1179 **Multiflora Nana, Mixed.** The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.
- 1183 **Flower Cloud.** A cross between Rugosa and Grandiflora. Free flowering in all colors, very vigorous in growth. Pkt., \$1.00.
- 1185 **Rugosa, Mixed.** Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.

CINERARIA Hybrida +

Culture: C. Pot up in fall, force in cool greenhouse Page 40

- 1715 **Vaughan's Columbian Mixture.** A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
- 1716 **Cremer's Prize Mixture.** The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
- 1718 **Potsdam Strain, Mixed** (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.
- 1726 **Hybrida Multiflora Nana. Gold Center.** 10 in. A new race producing dwarf plants with masses of small self-colored flowers with gold center, ¾-inch diameter, compact head over small and dainty foliage. Pkt., 35c.
- 1723 **Polyantha Feltham Beauty.** Dwarf, with large flowers and broad petals, but retaining the true star shape. Fine for cutting. Pkt., 35c.

CYCLAMEN Persicum Giganteum +

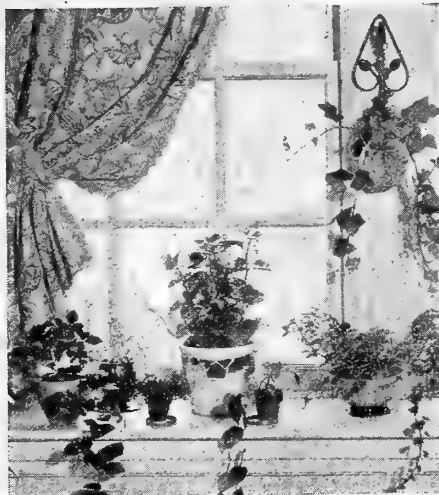
Culture: C. Pot up in fall, force in greenhouse. Page 40

2010 **Mixed.** Colors are vivid and varied. 10 seeds, 25c; 25 seeds, 60c; 100 seeds, \$2.00.

DRACAENA

Culture: C, Page 40

- 2350 **Indivisa** □ + 2 ft. Ornamental leaved plants; long narrow green leaved foliage. Pkt., 10c.



FREESIA

Culture: D, E or C, Page 40

- 2451 **Dalrymple Special Strain.** Large sweet scented flowers borne on long stems, in blue, lavender and many shades of yellow. Pkt. (50 seeds), 50c.
- 2456 **Tubergenii.** Yields a profusion of bloom and can be successfully flowered within six months from date of sowing. Yellow to bronze, bronzy-pink, deep rose, and mauve. Pkt., 35c.

GERANIUM +

Culture: D or E, Page 40

These grow readily from seed the first year and produce blooming plants the first summer.

- 2500 **Lady Washington (Odier).** Large flowers, beautifully blotched. Pkt. (25 seeds), 50c.
- 2490 **Large Flowering. Newest Varieties Mixed.** Pkt. (50 seeds), 15c.

GLOXINIA

Culture: D or E, Page 40

- 2560 **Vaughan's International Mixture.** + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

GLORY OF THE SUN

- 3008 **Leucocoryne Ixioides Odorata.** Heads of large fragrant flowers, blue with white centers, carried gracefully on a wiry 18 in. stem. Culture the same as for Freesias. It is a tender perennial, flowers the second year from bulbs produced the preceding year. Seed germinates very slowly and irregularly. Pkt. (100 seeds), 35c.

LISIANTHUS

Culture: D or E, Page 40

- 3038 **Russellianus (Eustoma).** An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. Pkt., 50c.

MARIGOLD

Culture: D or E, Page 40

- 3122 **Lieb's Winter Flowering.** Mahogany brown with golden yellow crested center. Pkt., 25c.
- 3125 **Lieb's Winter Flowering Sunshine.** New! Golden orange, yellow center. Pkt., 25c.

MIGNONETTE

Culture: D or E, Page 40

- 3224 **The Ball.** The flower spikes are especially heavy and lighter in color than other varieties. Pkt., 50c.

PANSY

- 3841 **Vaughan's Long Stemmed Winter Flowering Re-selected Mixed.** It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA (Chinese Primrose) +

Culture: D, C or E, Page 40

- 4465 **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 35c.

- 4466 **Dazzler.** A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting, robust constitution. Pkt. (100 seeds), 75c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept. Page 40.

NEW GIANT MALACOIDES

- 4467 **Double Fairy Jewels.** The color is a lovely rich rose pink, deeper in the center than the outer or older petals. 200 seeds, 50c.

- 4468 **Enchantress.** A beautiful, soft salmon rose. 200 seeds, 50c.

- 4469 **Snow Flake.** Has flowers of the purest shimmering snow white one can imagine. 200 seeds, 35c.

- 4470 **Mixture.** Contains the above 2 single varieties, together with a good many others still in the developmental stage. 200 seeds, 35c.

- 4475 **Malacoides.** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

- 4476 **—Dawkins Carmine Pink.** A vivid and distinct color. Pkt., 50c.

- 4472 **—Queen Mary.** Deep rose pink. Pkt., 25c.

- 4477 **—Double White.** Pkt., 50c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 40

- 4485 **Appleblossom.** Pale pink.

- 4487 **Fassbender Red.** Large rich deep red.

- 4490 **Rose Queen.** Pink.

Each of the above, pkt. (200 seeds), 50c.

- 4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt. (200 seeds), 25c.

- 4493 **Double Portland Beauty.** Ranging in color from light pink to rose-pink. Pkt. (250 seeds), \$1.00.

SAINTPAULIA ÷ 4 in.

Culture: D or E, Page 40

- 4589 **Ionantha Grandiflora African Violet.** A free and long-flowering pot plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers, resembling large single sweet-scented Violet. Pkt., 50c.

SEDUM

Culture: C or D, Page 40

- 4772 **Bellum Dondo.** A new winter flowering pot plant. Forms dense little clumps literally covered with small white flowers. Pkt., 35c.

SMILAX 6 ft.

Culture: D or E, Page 40

- 4780 **Makes a fine pot or basket plant.** Elegant for table decoration when cut. Pkt., 15c.

SOLANUM ORNAMENTAL PEPPER OR CHRISTMAS CHERRY

Culture: C or D, Page 40

- 4789 **Hlavacek's Masterpiece.** Compact and produces many more cherries than the old type. Pkt., 25c.

- 4790 **Cleveland Red Cherry.** Pkt., 20c.

STEVIA

Culture: D or E, Page 40

- 4825 **Serrata.** 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 15c.

STREPTOCARPUS

Culture: D or E, Page 40

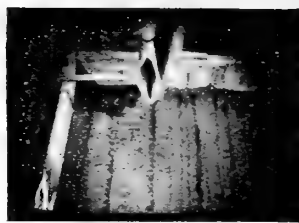
- 4826 **Largest Hybrids.** + 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 35c.



FIRMING THE SOIL



MARKING THE ROWS

SOWING THE SEED
SOWING SEEDS IN THE INDOOR BOX

COVERING THE SEED

FLOWER SEED CULTURES—HOW TO SOW

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining at first hand advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat", which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hot bed or cold frame. A cold frame or a hot bed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hot-bed, or to an outdoor location, if late enough.

COMMERCIAL FLOWER FORCING. By Laurie and Poesch. The object of this concise treatise is to cover the fundamentals involved in the growing of various flower crops from the viewpoint of practical culture. The treatments recommended follow the routine practice of the better growers, supplemented by a vast volume of experimental work done under the experienced supervision of the authors. 49 illustrations. 519 pages. \$4.50.

GARDEN GUIDE. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 576 pages. \$2.00.

FIVE ACRES AND INDEPENDENCE. By M. G. Kains. A practical guide to the selection and management of the small farm. The author's detailed advice and explanation on every topic treated leaves little chance for even unskilled persons to go wrong. This book contains 77 illustrations and diagrams. 401 pages. \$2.50.

1,001 GARDEN QUESTIONS ANSWERED. By Prof. Alfred C. Hottes. A unique guide book of garden operations for each day, answering thoroughly and in an easily understood manner over 1,000 questions on the growing and care of flowers, fruit, vegetables, trees, shrubs, etc. Illustrated. 320 pages with 34 halftones, 47 sketches. Cloth. \$2.00.

Gardening Books

We find it impossible to catalogue our complete line of books, but should you be interested in any horticultural subject not covered, write for our book list.

GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B. S. A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete than any other garden book ever prepared. 1,300 pages, 750 illustrations, including 250 photographs. \$4.00.

GARDEN FLOWERS IN COLOR. By G. A. Stevens. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. And in the IMPERIAL EDITION of this popular book, the 400 color plates average less than 1/2¢ apiece. 320 pages. \$1.98.

THE LAWN: How To Make It And How To Maintain It. By Charles W. Parker. All you need to know to make a beautiful lawn from the ground up. Completely illustrated with line cuts and 8 pages of plates. 118 pages. \$1.00.

GARDEN IN COLOR. By Louise Beebe Wilder. When you see pictured a flower or arrangement which you like, you can find out also just how to transfer it to your own flower beds. With 320 natural color photographs and 318 pages of text. Size, 8x11 inches. Formerly \$7.50. Now \$2.95.

LANDSCAPING THE SMALL HOME. By Edward W. Oliver. For the owner of the average lot, teaching him to plan and execute a planting economically and correctly. 160 pages. 90 illustrations. \$1.00.

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. Surpasses all other books published on plant propagation. 569 pages. \$3.50.

ROCK GARDENS: And What To Grow In Them. By George H. Bissland. Standard practice for lovelier rock gardens, explaining layout, construction, landscaping, cultivation, etc. 128 pages. \$1.00.

THE VEGETABLE GARDEN. By Edward I. Farrington. Formerly published at \$2.00 as "The Back Yard Garden." Completely revised, set from new type, with new charts, new illustrations. 139 pages. \$1.00.

Real Thrills in Flower Growing

VAUGHAN'S FAMOUS Surprise Garden Mixture

80 Different Annual Flowers Growing 1 to 3½ Feet Tall. Oz. 25¢

Vaughan's Surprise Garden of Annuals is a "garden lover's dream come true." From early Spring until killing frost there is a procession of color. It has been the brightest spot in our trial grounds all summer. It is not a collection of left overs; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and enjoy the thrill of discovering new flowers. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25¢) for friends on their birthdays.

5848 Oz., 25¢; ¼ lb., 80¢; 1 lb., \$3.00

"The Surprise Garden Mixture has given me a great deal of pleasure. I shall never start a season without at least one package."—O. W. N., Versailles, Kentucky.

Acroclinium (Everlasting) □

Culture: A, B, D or E, Page 40

Its graceful, Daisy-like flowers, when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Probably the daintiest, both in form and coloring, of all the everlasting flowers. Height, 20 inches.

- 150 Double Pink.
- 155 Double White.
- 165 Double Mixed. Each of the above, pkt., 10c.
- 166 Double Giant Mixture. This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 15c.



166 ACROCLINIUM Double Giant Mixture. Pkt., 15c.

Abutilon 3 to 4 ft.

Culture: D or E, Page 40

- 122 Giant Flowered Mixed (Flowering Maple). Its ornamental leaves are often variegated and it bears bell-shaped flowers of salmon, buff and pink in late summer. Pkt., 25c.

Ageratums—All Summer Blues

Culture: A, B, D or E, Page 40

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden. The dwarf varieties are useful for bedding and the taller ones for cutting.

- 180 Tall Blue. 18 in. Soft lavender-blue. ¼ oz., 25c; pkt., 10c.

- 185 Tall White. 18 in. Pkt., 10c.

- 190 Tall Sorts Mixed. ¼ oz., 25c; pkt., 10c.

- 196 Blue Ball. 8 in. Deep, dark blue. The plant is dwarf and symmetrical. In full bloom it is covered with small flowers, giving the appearance of a blue ball. ¼ oz., 35c; pkt., 15c.

- 200 Blue Cap Improved. 6 in. Definitely more dwarf than Blue Ball, more compact in habit, with smaller leaves, it is superb for edgings and ribbon planting. Bright, deep, rich lavender blue. ¼ oz., 50c; pkt., 15c.

- 201 King of the Blues. See Novelties.

- 214 Fairy Pink. See Novelties.

- 195 Midget Blue. See Novelties.

- 217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. ⅓ oz., 40c; pkt., 15c.

- 187 Purple Perfection. 8 in. (Improved Blue Perfection). Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. ⅓ oz., 25c; pkt., 15c.

Abronia (Sand Verbena) □

Culture: A, B, D or E, Page 40

- 100 × 6 in. A trailing, succulent plant, with Verbena-like flowers of bright rose with white center in late summer and fall. Pkt., 10c.

Adonis □

Culture: A or B, Page 40

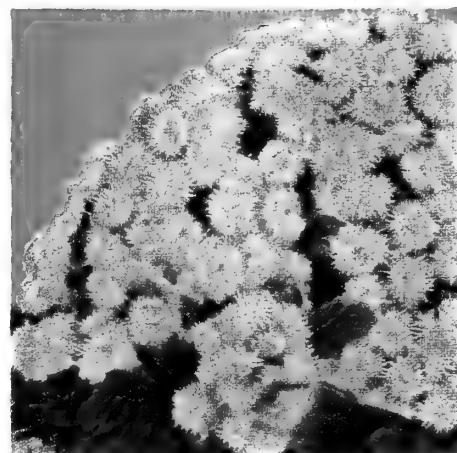
- 171 Autumnalis (Red Chamomile). 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c.

- 170 Aestivalis (Pheasant Eye). 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants remain. Pkt., 10c.

Ammobium

Culture: A or B, Page 40

- 295 Winged Everlasting. □ 2½ ft. Pretty white Everlasting. Grows well in sandy soil. Pkt., 10c.



200 AGERATUM Blue Cap Improved. Pkt., 15c.

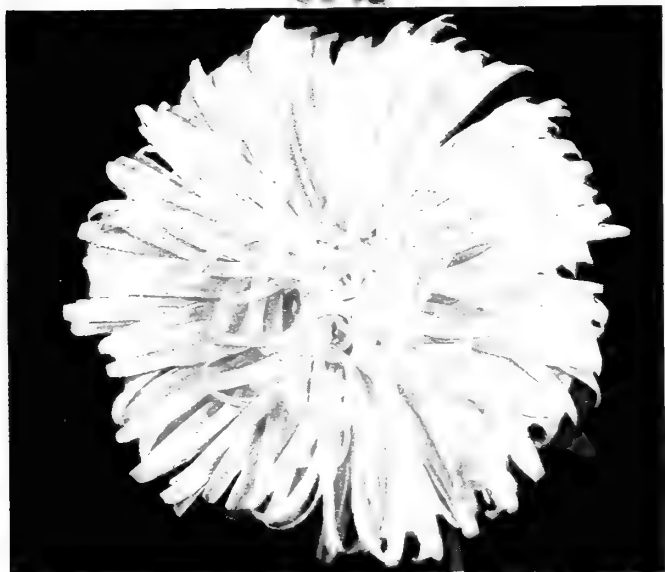


171 ADONIS Autumnalis. Pkt., 10c.



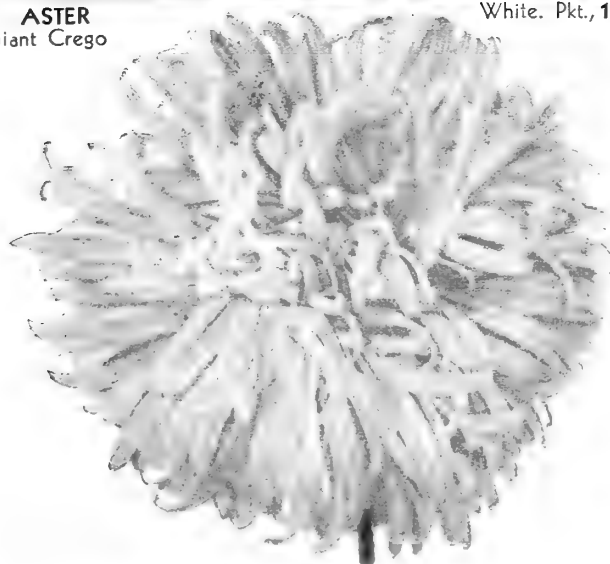
903 ASTER
Giant Branching

Deep Rose.
Pkt., 15c.



569 ASTER
Giant Crego

White. Pkt., 15c.



541 ASTER Early Giant, Light Blue. Pkt., 25c.

Wilt Resistant Asters

VAUGHAN'S SPECIAL WILT RESISTANT MIXED

915 A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. $\frac{1}{4}$ oz., 44c; pkt., 15c.

946 Pink Shades Mixed. 947 Light Blue Shades Mixed.

948 Dark Blue Shades Mixed.

Each of above, 3 pkts. for 40c; pkt., 15c.

If YOU should have any trouble raising Asters — TRY OUR WILT RESISTANT STRAINS. Perhaps your soil is infested with Aster wilt, but even if not, you will find the Resistant Asters much more vigorous and productive. While not immune from the Yellows disease, which is insect-borne and distinct from the Wilt, they are far less susceptible to infection and injury from it. Where we offer the Wilt Resistant Strain of a variety, we have omitted the ordinary strain from our list.

Culture: A, B, D or E, Page 40

Early Giant

An exceptional new class. The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. Plants $1\frac{1}{2}$ to 2 ft. tall with branches coming low on the central spike. There are practically no laterals or side branches. Four to six weeks earlier than the Giants of California.

541 Light Blue. A big lacy flower. 542 Peachblossom. White, flushed pink.

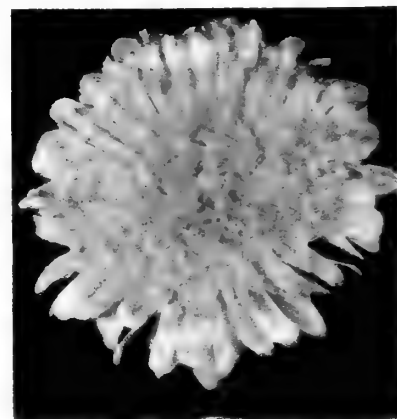
543 Rose Marie. Rich, lively shade of rose. 544 Mixed. All three colors.

Each of above, Pkt., 25c; any 3 pkts. for 65c.

Golden Sheaf

556 The deepest yellow Aster yet offered and the only one that is Wilt Resistant. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal. Pkt., 20c.

937A Giant Mammoth Peony-Flowered Silvery Rose. Immense, fully double flowers resembling the Beauty type, borne on long, stout non-lateral stems. Grows $2\frac{1}{2}$ to 3 feet tall. An attractive variety with its rich rose silver tipped flowers. Pkt., 25c.



556 ASTER Golden Sheaf. Pkt., 20c.

Giant Branching

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

905 Azure Blue, dark lavender.

904 Crimson. 906 Purple.

903 Deep Rose. 902 Shell Pink.

901 White.

898 Mixed.

Each of above, $\frac{1}{4}$ oz., 35c; pkt., 15c.

Giant Crego — Ostrich Feather

The flowers are immense on stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost. 24 inches.

559 Azure Blue. 562 Enchantress, 567 Salmon Pink.

560 Blue Flame, 563 salmon rose. 568 Violet.

navy blue. 564 Lavender. 569 White.

561 Crimson. 565 Pink. 575 Mixed.

563 Deep Rose. 566 Purple. Each of above, $\frac{1}{4}$ oz., 35c; pkt., 15c.

Early Beauty

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

527 Azure Blue. 531 Purple. 533 White.

528 Black Prince. 532 September Beauty, 534 Mixed.

536 Carmine Rose. flesh pink.

529 Crimson. Each of above, 3 pkts. for 40c; pkt., 15c.

Queen of the Market (Early Flowering)

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit. 16 inches.

921 Crimson. 923 Purple, dark blue. 924 White.

925 Light Blue. 926 Scarlet. 928 Mixed.

Each of above, 3 pkts. for 40c; pkt., 15c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show now a glow and sheen, now a soft warm velvety texture. 18 to 24 inches. $\frac{1}{4}$ oz., 45c; pkt., 15c.

893 Giant Comet Illusion. 2 ft. A soft pastel apricot pink. Plants upright, stems short. It is customary to cut the whole plant for a bouquet. Pkt., 25c.

See also Novelties.

SPECIAL OFFER 42

One Packet Each, 3 Varieties Illustrated above for 45c.

541 Aster Early Giant Light Blue. 569 Aster Giant Crego White

903 Aster Giant Branching Deep Rose.

Giant Asters (NON-RESISTANT)

Culture: A, B, D or E, Page 40

Super-Giants

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants 2½ ft. tall, with six to eight long stems. Early flowering.

943 El Monte. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. ¾ oz., 50c; pkt., 20c.

942 Los Angeles. Pure shell pink, with huge flowers, but of charming form with curling, interlaced petals, giving a feathery effect. ¾ oz., 50c; pkt., 20c.

Giant California Sunshine. 3 ft.

The flowers are large, with loosely placed outer petals contrasting with the creamy yellow or blue centers, giving a lacy effect which is quite delightful.

- | | |
|---|---|
| 882 Apple Blossom, shell pink. | 886 Purple, dark blue. |
| 884 Enchantress Pink, salmon pink. | 885 Rose, light rose or deep pink. |
| 885A Light Blue | 883 White. |
| 885B Lavender, azure blue. | 887 Finest Mixed. |

Each of the above, Pkt., 25c; 3 pkts. for 65c.

California Giants 2 ft.

California Giants combine the fluffy or feathered type of flower with the long, straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1½ to 2 ft. long.

- | | |
|--------------------------------------|--|
| 594 Appleblossom, shell pink. | 604 Peachblossom, opens white |
| 595 Carmine Rose, dark stems. | flushes lavender pink. |
| 596 Crimson. | 605 Silvery Rose, rich rose, silver |
| 601 Deep Rose. | tipped. |
| 602 Dark Purple. | 600 White. |
| 603 Light Blue. | 610 Mixed. |

Each of the above, Pkt., 15c; 3 pkts. for 40c.

Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting as they keep longer than any other variety. 2½ to 3 ft.

- | | |
|--|---|
| 931 Azure Fairy. Clear azure blue. | 936 Peachblossom. |
| 935 Maiden's Blush. Delicate flesh. | 937 Rosebud. A clear, deep rose. |
| 933 Purple Robe. Rich purple blue. | 934 Swan's Down. Pure white. |

Each of the above, Pkt., 20c.

938 Mixed. ¾ oz., 45c; pkt., 15c.

Outstanding Varieties

646 Scarlet King (Beacon). 20 in. Finest of all red Asters; fully double flowers of color even more intense than Heart of France. Excellent for cutting. ¾ oz., 50c; pkt., 15c.

941 Surprise "Salmongold." Blossom begins a pure salmon-yellow and develops into salmon-pink. The single blossom is 2¼ to 3¼ inches. Each plant carries on the average 40 to 50 blooms and the cut flowers remain fresh in water from two to three weeks. Pkt., 25c.

DOUBLE DWARF ASTER

515 Dwarf Bouquet Mixed. 10 in. The plants are little bouquets, each having a dozen or more 1-inch flowers in delightful shades of shell pink, sky blue, blood red and white. Cut off the complete plant for a bouquet. Pkt., 15c.

SINGLE ASTER (Southcote Beauty)

Free flowering, strain of branching habit, height 2 ft. Blooms in early September.

- | | | |
|-------------------------|------------------------|-------------------|
| 960 Dark Blue. | 970 Light Blue. | 976 White. |
| 964 Bright Rose. | 966 Scarlet. | |

Each of above, Pkt., 10c; any 3 pkts., 25c.

985 Southcote Beauty Mixed, all colors. Pkt., 10c.



992 ASTER Heart of France Pkt., 15c.
See Page 42.

Vaughan's Excelsior Mixture of Tall Asters, All Types

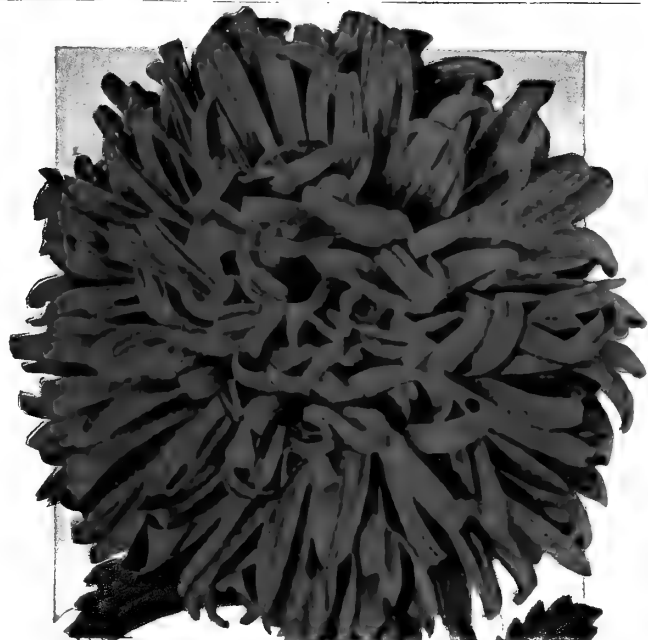
990 A mixture of the most beautiful, tall-growing Asters, Wilt Resistant and Non-Resistant, including the varieties listed and others. ¾ oz., 50c; large pkt., 25c; pkt., 15c.

Vaughan's Excelsior Mixture of Dwarf Asters

725 Most distinct and desirable colors of dwarf Asters, especially selected for this mixture large pkt., 25c; pkt., 15c.

950 Single Giants of California, Mixed.

Flowers 3 to 4 inches, petals graceful; stems 24 inches; blooms in mid-September. Pkt., 15c; ¾ oz., 50c.



943 ASTER Super Giant, El Monte. Pkt., 20c.

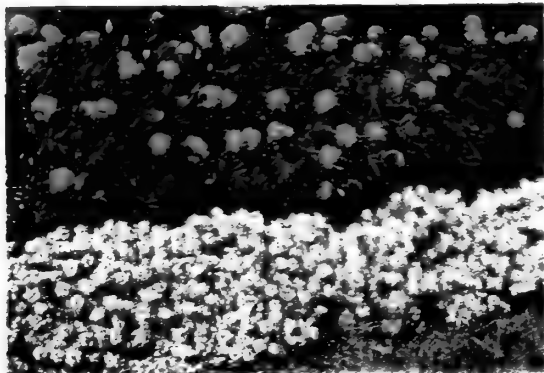


933 ASTER Peony Flowered Purple Robe. Pkt., 20c.



884 ASTER Giant California Sunshine. Enchantress Pink. Pkt., 25c.

Sweet Alyssum (Ideal for Edging)



255 ALYSSUM Vaughan's Little Gem. Pkt., 10c.

3174 MARIGOLD HARMONY. Pkt., 15c.

1164 BORDER SPECIAL. One pkt. each above, 20c.

Illustration from natural color photograph of Little Gem and Harmony growing in our trial grounds last summer.



450 ARCTOTIS Blue-Eyed African Daisy. 10c.

African Daisy (Arctotis) □

Culture: A, B, D or E, Page 40

449 *Brevescapa Aurantiaca*. Deep shade of orange yellow with purple disk. A deep and most attractive shade. Pkt., 25c.

450 *Grandis* (Blue-Eyed African Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. $\frac{1}{4}$ oz., 30c.; pkt., 10c.

451 *New Hybrids*. 8-12 inches. A new race of African Daisies rivaling in size and variety of coloring the famous Gerberas, which they closely resemble, but much easier to grow in the garden. Flower $2\frac{1}{2}$ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

452 *Scapigera*. Flowers 3 inches in diameter, resemble those of the Shasta Daisy, of a soft lilac, on long slender stalks, about 18 inches in height. In bloom all summer and fall. Pkt., 35c.

Agrostemma

Culture: A, B, D or E, Page 40

230 *Rose of Heaven*. □ 1 ft. Graceful habit; flowers pale rose, shaded white. Sow at intervals all summer. Pkt., 10c.

315 *ANTIGONON Leptopus* ÷ Mexican Mountain Rose. Pink. Pkt., 10c.

470 *ARTEMISIA* □ (Summer Fir). 3 to 5 ft., 10c.

473 *ASCLEPIAS* □ *Sunset Glow*. Orange-red Pkt., 15c.

ASPARAGUS—See page 39.

490 *ASPERULA* Blue Woodruff. Blue Pkt., 10c.

Culture: A, B, D or E, Page 40

IT IS truly queen of edging plants whether grown in a continuous ribbon or alternated with Violet Queen, yellow Signata Marigold, or dwarf Ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform.

255 *Vaughan's Little Gem* (White Carpet). 4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. $\frac{1}{4}$ lb., \$2.00; 1 oz., 75c.; $\frac{1}{2}$ oz., 40c.; $\frac{1}{4}$ oz., 25c.; pkt., 10c.

262 *Snow Cloth*. A special selection, each plant flat and compact mass of white without green center. Seed saved from transplanted seedlings only. Pkt., 10c.

250 *Maritimum* (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. $\frac{1}{4}$ lb., 60c.; 2 oz., 40c.; 1 oz., 25c.; $\frac{1}{2}$ oz., 15c.; pkt., 10c.

259 *Violet Queen*.—See Page 5.

261 *Lutescens*. 8 in. Dwarf, cream or straw color. Pkt., 10c.

See also Perennial Pages.

Amaranthus □

Culture: A, B, D or E, Page 40

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

267 *Caudatus* (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

270 *Molten Fire*. 3 ft. Brilliant 'Poinsettia-like tips. Pkt., 10c.

275 *Tricolor* (Joseph's Coat). $2\frac{1}{2}$ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

285 *Vaughan's Special Mixture*. A well balanced mixture of the above and others. Pkt., 10c.



449 ARCTOTIS *Brevescapa Aurantiaca*. 25c.

English Daisy ①

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 40

Double Giant Daisies of robust habit. Remarkably fine effects are obtained when associated with Pansies or Forget-me-nots in beds or borders.

1119 *Monstrosa Alba*. Large white. Pkt., 15c.

1121 —Red. Pkt., 15c.

1123 —Rosea. Light rose. Pkt., 15c.

1131 —Mixed. Pkt., 15c.

1116 *Double Choice Mixture*. Pkt., 10c.

BIDENS Humilis—See Cosmos Miniature Golden.

BLACK-EYED SUSAN—See Rudbeckia (Perennial seeds) and Thunbergia (annual seeds).



307 ANAGALLIS *Coerulea*. Pkt., 10c.

Anagallis (Pimpernel) □

Culture: A, B, D or E, Page 40

307 *Coerulea*. 11 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue. $\frac{1}{2}$ oz., 25c.; pkt., 10c.

308 *Scarlet Pimpernel*. 11 in. "The Scarlet Pimpernel," immortalized by Baroness Orczy in her famous novel. A brilliant half-hardy annual which can be sown outdoors where the plants are to bloom, and will give a display all through the summer months. Pkt., 25c.

305 *Mixed*. 6 in. Dwarf plants, blue and scarlet flowers, effective as edgings, also charming on rock-work and in pots. $\frac{1}{2}$ oz., 25c.; pkt., 10c.

Anchusa □ 2 ft.

Culture: A, B, D or E, Page 40

311 *Blue Bird*. Compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of an intense blue with a distinct white eye. Blooms all summer. One of the best blue annuals. Try it with *Cacalia*. You will enjoy the blue of the *Anchusa* with the yellow and henna shades of the *Cacalia*. $\frac{1}{2}$ oz., 25c.; pkt., 15c.

310 *Capensis* (Summer Forget-me-not). Gentian-blue flowers, borne in drooping clusters from July to October. Similar to Forget-me-not, blossoms larger and of finer color. $\frac{1}{2}$ oz., 15c.; pkt., 10c.

See Perennial Pages Also.

Agrostis □ 1½ ft.

Culture: D or E, Page 40

235 *Nebulosa* (Cloud Grass). An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful with cut flowers. Pkt., 10c.



1131 BELLIS *Monstrosa Double Mixed*. 15c.

All the Best New Snapdragons

Culture: A or B, D or E. Page 40.

425 Vaughan's Special Mixture of Snapdragons. (Antirrhinums). Includes all the varieties listed on this page, providing a never ending color feast of long stemmed cut flowers. 1 oz., \$1.50; ½ oz., 40c; ¼ oz., 25. Pkt., 15c.

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

Rust-Resistant Maximum

Giant Flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across.

These have huge individual flowers and flower spikes.

- 341 **Maximum Alaska.** White.
- 342 **—Autumn Glow.** Copper shades.
- 343 **—Campfire.** Pure luminous scarlet.
- 344 **—Canary.** Yellow.
- 343A **—Copper King.** Burnished copper.
- 344C **—Daffodil.** Beautiful two-tone yellow.
- 345 **—Fair Lady.** Silver pink with white tube and yellow tip on lip.
- 342A **—Golden Glory.** The deepest yellow.
- 343B **—Indian Summer.** Coppery orange-scarlet.
- 346 **—Loveliness.** Pure soft rose-pink.
- 347 **—Red Cross.** Deep rich crimson white tubes.
- 341B **—Rose Brilliant.** Rich deep rose.
- 347B **—Salmon Rose Shades.**
- 341A **—Swing Time.** Loveliest rose-pink, a bright yellow lip and white tube.

Each of above maximum type, Pkt., 20c.



No. 348 MIXED

All the above Rust-resistant Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

See Also Novelties.

MAJUS GRANDIFLORUM—Large Flowering.

344B **Grandiflorum Daintiness.** Rose pink, white tube.

350A **—Opal Queen.** A delicate combination of salmon and apricot, pale yellow lip.

348A **—Orange Shades.**

337 **—Salmon Pink.**

338 **—Shasta.** Pure white.

353 **—Stoplight.** Vivid signal red self, both lips and tube one solid color.

352 **—Yellow Jacket.** A clear deep yellow. Each of above, pkt., 20c.

355 **Majus Grandiflorum Mixed.** Pkt., 20c.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered

327 **Orange Shades.** Marvelous shades of rose deeply overlaid tangerine or golden orange.

326A **Rose Sensation.** Richest rose pink with a slight touch of salmon.

329 **Royal Crimson.** Garnet crimson.

331 **Silver Pink.** Lovely deep pink with a white blotch on the lower lip.

332 **Super-Majestic Type Mixed.**

Each of Super-Majestic type, pkt., 25c; any 3 pkts. for 65c

DWARF BUSH TYPE

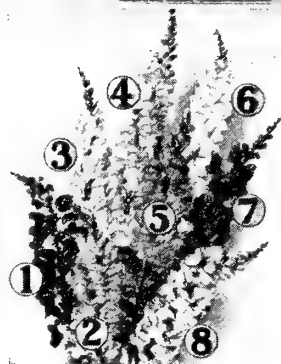
This little-known race forms round bush covered with flowerets. 8 in.

438 **Fireball.** Dark red, deep violet throat.

430 **Pink.** 431 **Yellow.** 435 **Snow Queen.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

445 **Mixed.** The above. ¼ oz., 25c; pkt., 10c.



Vaughan's Giant Rust-Resistant Snapdragons

- | | | |
|-------------------------|-------|--------|
| (1) 347 Red Cross | ..... | \$0.20 |
| (2) 341b Rose Brilliant | ..... | .20 |
| (3) 342a Golden Glory | ..... | .20 |
| (4) 343a Copper King | ..... | .20 |
| (5) 343b Indian Summer | ..... | .20 |
| (6) 341 Alaska | ..... | .20 |
| (7) 343 Campfire | ..... | .20 |
| (8) 344b Daintiness | ..... | .20 |

340 **Vaughan's Rainbow Collection of Giant Rust-Proof Snapdragons.** 1 Pkt. each of above 8 varieties, \$1.00.

Your selection of any 3 packets of above for 50c.

ROCK HYBRIDS ×

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

436 **Sutton's Little Gem.** Miniature hybrids 4 to 6 in. tall, in many lovely colors. Pkt., 25c.

433 **Baby Rose.** Very free flowering, compact plants covered with flowers of a deep pink self tint. Much deeper in color than Magic Carpet. Pkt., 20c.

432 **Magic Carpet.** A Snapdragon of almost creeping habit, covered with soft pink flowers. Pkt., 25c.

5844 ANNUALS FOR WINDOW OR PORCH BOX

Culture: A or B, Page 40

IN MIXTURE. A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

Not-Resistant

Semi-Tall Sorts, 18 to 20 inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

363 **Amber Queen.** Amber overlaid chamois pink, gold lip.

368 **Black Prince.** Nearly black, small dark leaves.

371 **Bonfire.** Orange or flame color.

377 **Canary Bird.** Light lemon-yellow.

378 **Defiance.** Cinnabar scarlet.

359 **Dorothy Silk.** Fiery terra-cotta with a white throat.

379 **Empress.** Rich crimson.

383 **Fascination.** Pale pink.

384 **Flame.** Brilliant orange-scarlet.

386 **Gloria.** Rose and white.

390 **Golden Queen.** Rich yellow.

413 **Guinea Gold.** Glowing bronzy orange with yellow throat.

394 **His Excellency.** Brilliant orange scarlet with dark throat.

396 **Mauve Beauty.** Rosy mauve.

388 **Little Giant.** A pure silvery pink.

398 **Nelrose.** Old rose, shaded blush.

404 **Prima Donna.** Terra-cotta pink.

403 **Queen of the North.** Large white.

404B **Red Emperor.** Rich deep scarlet

358 **Rose Eclipse.** Deep lustrous rose.

407 **Silver Pink.** Pearl pink self.

Each of the Semi-Tall sorts, pkt., 10c; 3 for 25.

409 **Semi-Tall Mixed Majus Nanum.** ¼ oz., 25c; pkt., 10c.

Brachycome

(Swan River Daisy) □

Culture: A, B, D or E, Page 40

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture.

1140 **White.** 1143 **Blue.**

1141 **Pink.** 1146 **Mixed.** ¼ oz., 25c.

Each of the above, pkt., 10c.



1146 BRACHYCOME Mixed. Pkt., 10c.



Type of **BUSH BALSAM** 1052 Pink.
Pkt., 25c.

Bush Balsam ☐ 1½ to 2 ft.

Gardenia Flowered

Culture: A, B, D or E, Page 40

Free-flowering double Balsam of bushy growth, flowers appear in clusters on the top of stems like double roses, instead of hidden in side of stems. It is a fine border plant. White, rose pink and red.

- 1052 Pink. 1054 White.
1053 Red. 1055 White Reflected Rose.
Each of above, pkt., 25c; any 3 pkts. for 65c.
1051 Mixed. ¼ oz., 50c; pkt. 25c.

Balsam (Lady Slipper) ☐

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

- 1014 Crimson. 1018 Dark Blue.
1025 Lilac. 1022 Lemon Queen.
1010 Pure White.
1023 Nilsson Rose. Deep dark rose.
1027 Prince Bismarck. Salmon-pink.
1031 The King. Brilliant scarlet.
1033 The Queen. Satiny salmon-pink.
Each of above, pkt., 10c; any 3 pkts. for 25c.
1040 Double Rose and Camellia-flowered
Mixed. ¼ oz., 25c; pkt., 10c.
1045 Vaughan's Invincible Balsams, Mixed.
Includes the Bush Balsams and others not listed
¼ oz., 25c; pkt., 10c

Bartonia (Blazing Star) ☐ 2 ft.

Culture: A, Page 40

- 1070 Aurea. Showy golden-yellow flowers above its gray and downy thistle-like foliage, exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting. ½ oz., 35c; pkt., 10c



1155 **BROWALLIA** Speciosa Major.
Pkt., 25c.

Shade-Loving Begonias

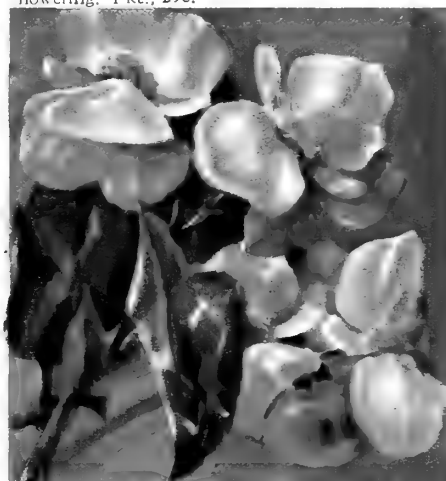
Fibrous-Rooted Ever-Blooming

Culture: B, C, D or E, Page 40

A continuous flowering class of greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets very carefully over a sheet of white paper.

- 1071 **Christmas Cheer Red.** The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 25c.
1072 **Christmas Pink.** Identical with above variety except the color is warm rose-pink. Pkt., 25c.
1077 **Gracilis Carmen.** Bright rose flowers in clusters well above the deep bronze foliage. Pkt., 50c.
1081 **—Prima Donna.** 1 ft. Brilliant, clear pink shading to carmine-rose. Pkt., 25c.
1074 **—Radio.** A very large-flowered, shining pure carmine-scarlet. Pkt., 25c.
1076 **—White Pearl.** White. foliage green. Pkt. 25c.
1085 **Semperflorens Scandinavia.** A large-flowered pink variety. Plants are of good branching habit with dark green foliage. Excellent for winter flowering. Pkt., 25c.



1085 **BEGONIA** Scandinavia, Pkt., 25c.

- 1086 **Semperflorens Salmon Queen.** Large salmon flowers with dark leaves. Pkt., 35c.
1090 **Semperflorens Mixed.** Pkt., 10c.

Tuberous Rooted

Culture: D or E, Page 40

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without greenhouse facilities.

- 1101 **Lloydii.** This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various tones of rose and carmine. Pkt., 50c.
1103 **Double Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.
1105 **Friiled Mixed.** Best frilled flowers. Pkt., 35c.
1099 **Single Mixed.** Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

Browallia ☐

Culture: A or B, Page 40

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

- 1157 **Blue.** Pkt., 10c.
1156 **White.** Pkt., 10c.
1160 **Mixed.** Blue and white. Pkt., 10c.
1161 **Sapphire.** 10 in. Sometimes bearing over a hundred dark blue flowers with a white eye, suggesting a large flowered Lobelia. Pkt., 25c.
1155 **Speciosa Major.** Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.



1320 **CARDINAL CLIMBER.** Pkt., 10c.

Cardinal Climber ☐ =

Culture: D or E, Page 40

- 1320 A rapid growing annual vine attaining a height of 25 feet, with cluster of fern-like foliage covered with fiery cardinal-red flowers 1 inch in diameter from mid-summer to frost. Give it a warm, sunny situation and rich soil. The seed should be soaked a few hours and sown about May 1. The vines are a favorite play ground of humming birds. ¼ oz., 30c; pkt., 10c

Balloon Vine (Love in a Puff) ☐ =

Culture: D or E, Page 40

- 995 A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. pkt., 10c.

Balsam Apple and Pear 10ft. ☐ =

Culture: A or B, Page 40

- 1008 **Mixed** Ornamental and quick-growing climber. Excellent in covering unsightly places. Flowers are followed by ornamental fruits Pkt., 10c

CALCEOLARIA—See page 39.

CASTOR OIL PLANT—See Ricinus.

Cacalia (Tassel Flower) ☐ 2 ft.

Culture: A only, Page 40

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect.

- 1172 **Aurea.** Pkt., 10c. 1171 **Scarlet.** Pkt., 10c.
1170 **Mixed.** Scarlet and yellow. ½ oz., 25c; pkt., 10c.



1170 **CACALIA** (Tassel Flower.) Pkt., 10c.

New Giant Calendulas

Culture: A, B, D or E, Page 40

Calendula is one of the best annuals for the garden or greenhouse, being equally at home in either place. Vast improvements in size, shape and color of late years have changed the original "Pot Marigold Cinderella" into a Royal Princess. Keep the flowers cut for continuous blooming. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die.

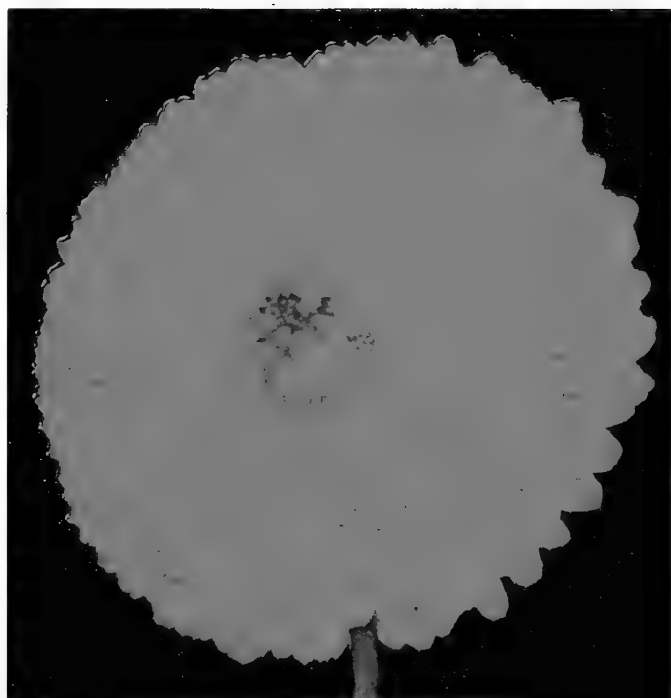
- 1198 Apricot.** A flat petaled variety of a bright apricot shade, deepening slightly towards the center. Pkt., 10c.
- 1194 Ball Gold.** Extra long stemmed, large deep golden yellow. Pkt., 15c.
- 1194A Ball Lemon Queen.** Deep lemon yellow with attractive brown eye. Pkt., 15c.
- 1191 Ball Orange.** It has fine stems and immense double flowers of a brilliant glistening orange. Pkt., 15c.
- 1200 Campfire (Sensation).** Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. $\frac{1}{4}$ oz., 50c; pkt., 15c.
- 1201 Graciella Hybrids.** A dwarf early-flowering type. The plants grow 12 inches tall, which makes them suitable for edging, borders, etc. The colors are varying from lemon to light and dark fiery orange yellow, with or without dark eye. Pkt., 15c.
- 1189 Yellow Sunshine.** Large, double flowers on long, stout stems, petals broad and drooping, giving the flower a globular form. A pleasing buttercup-yellow color, free from Calendula odor and keeps well in water. Pkt., 10c.
- 1195 Orange Sunshine.** The same loose flower form with incurved petals is present, while the color is clear light orange. The flowers are excellent for cutting. Pkt., 10c.
- 1197 Moonlight.** A beautiful soft cream yellow, with petals of the Chrysanthemum type, nearest approach to white of all Calendulas. $\frac{1}{4}$ oz., 80c; pkt., 15c.
- 1190 Orange King.** 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. Pkt., 10c.
- 1203 Orange Shaggy.** 18 in. Long fringed petals overlapping form a flower resembling some Chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.
- 1204 Orange Fantasy Crested.** 15 in. Outer petals are long and twisted; inner petals are short and fantastically curled and interlaced, to form a heavy crest which surrounds a large, attractive, mahogany-bronze center. Flowers grow $3\frac{3}{4}$ inches across, of deep bronzy orange with petals edged deep mahogany-red. Pkt., 10c.
- 1202 Pastel Bedding Mixture.** A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.
- 1207 Trial Ground Mixture.** Saved from the trial grounds of one of our growers who specializes in Calendulas. This fine blend is composed of all of the standard varieties plus varieties on which they are working and not yet introduced. The color ratio is approximately $\frac{2}{5}$ Lemon and $\frac{3}{5}$ Orange. Pkt., 15c.
- 1205 Mixed, all colors.** For woodlands and perennial borders. $\frac{1}{4}$ oz., 20c; oz., 60c; pkt., 10c.

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. Prepared by a formula which assures balanced representation of colors and types. $\frac{1}{4}$ oz., 35c; pkt. 15c

See Also Novelties.



1250 CANARY BIRD VINE. Pkt., 10c.



1200 CALENDULA Campfire (Sensation). Pkt., 15c.



1245 CALLIOPSIS Vaughan's Special Mixture. Pkt., 10c.

Gay Calliopsis Clan

Culture: A, Page 40

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self-seed.

- 1210 Crown of Gold.** 20 in. Pure golden yellow 2 inches across, on long, wiry stems; hardy and blooms nearly all season. $\frac{1}{4}$ oz., 25c; pkt., 10c.
- 1216 Golden Wave.** 2 ft. Yellow with circle of crimson-brown around the eye. Pkt., 10c.
- 1220 Golden Crown.** A rich orange-yellow a third larger than Golden Wave. It has a pleasing fragrance and is nice for cutting, with 12-inch wiry stems. Pkt., 10c.
- 1217 Nigra Speciosa.** 3 ft. Rich reddish maroon. Pkt., 10c.
- 1218 Semi-Double Gold Crest.** A rich golden yellow with reddish brown zone. Flowers are $2\frac{1}{2}$ to 3 inches across, with a double row of mammoth petals. Pkt., 10c.
- 1240 Double Mixed.** All colors. Pkt., 10c.
- 1235 Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. Pkt., 10c.

Annual Canterbury Bells

Culture: D or E, Page 40

Annual varieties of this splendid flower family bloom in about six months from seed, growing to $2\frac{1}{2}$ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower.

- 1303 Angelus Bell.** Deep rose. Pkt., 10c.
- 1302 Blue Bell.** Cambridge blue. Pkt., 10c.
- 1304 Liberty Bell.** Intense blue violet. Pkt., 10c.
- 1306 Mission Bell.** Soft clear pink. Pkt., 10c.
- 1307 Wedding Bell.** Satiny white. Pkt., 10c.
- 1305 Mixed.** Contains all the colors so far developed of the annual strain including dark and light blue, pink, rose and white. Pkt., 10c.

Canary Bird Vine

Culture: A, B, D or E, Page 40

- 1250** A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 10c.

CALIFORNIA POPPY—See Escholtzia.
CYCLAMEN—See page 39.

1245 CALLIOPSIS Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. $\frac{1}{4}$ oz., 30c; pkt. 10c

Grow Cacti from Seed

Culture: C, D or E, Page 40

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of from 14 to 40 days.

- 1252 Cereus** (Column cacti) mixed.
- 1253 Echinocactus** (Hedgehog-cacti) mixed.
- 1254 Echinocereus** (Cluster-cacti) mixed
- 1255 Echinopsis** (Tube-flowering Hedgehog-cacti)
- 1256 Mammillaria** (Wart cacti) mixed.
- 1257 Opuntia** (Fig-cacti) mixed.
- 1251 Cacti.** All kinds and forms mixed.
Each of above, pkt. (50 seeds), 25c; 5 pkts. for \$1.00.
- 1251A Collection.** 10 sorts., Each, \$1 00
- 1258 Cephalocereus Senilis** (Old Man Cactus). Pkt., (20 seeds) 25c.
- 1258A Cereus Grandiflorus.** (Night Blooming Cereus). Pkt., (10 seeds) 35c.

Giant Carnations from Seed □



1390 CARNATION Vaughan's Special Mixture (100 Seeds), 25c.

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom in the house. Pkt. (100 seeds). 25c



1700 CHRYSANTHEMUM Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.

Culture: A or B, D or E, Page 40

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Plants lifted in fall, cut back will bloom again indoors.

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers $2\frac{1}{4}$ to $2\frac{3}{4}$ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

- | | |
|--|------------|
| 1325 White. | 1327 Rose. |
| 1326 Salmon. | 1328 Red. |
| 1329 Mixed from varieties noted above. | |

Each of above, pkt. (100 seeds), 35c.

Improved Early Flowering Perpetual. Plants bloom in five months and continue all summer. The flowers are very double, of large size, on stiff stems 15 to 18 inches high. Outstanding in our Trial Grounds last summer. Our strain will produce 90% double flowers and true color.

- | | |
|------------------|------------------------|
| 1336 White. | 1340 Scarlet. |
| 1337 Yellow. | 1341 Maroon. |
| 1338 Rose Pink. | 1342 Salmon Rose. |
| 1339 Flesh Pink. | 1343 Mixed all colors. |

Each of the above, pkt., 25c; any 3 pkts. for 65c.

1350 **Giant Margaret Mixed.** Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. (100 seeds), 15c. See Novelties and Perennials.

Chrysanthemums

Single Flowering Varieties. 20 in.

Culture: A, B, D or E, Page 40

Of the easiest culture; flower profusely during the summer and fall, especially in sections where the summers are not too hot. They are showy in the garden and fine for cutting. Prefer heavy soil.

- 1635 **Burridgeanum.** Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.
- 1620 **Morning Star.** Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.
- 1714 **Nivelli.** Bushy plants with large yellow single flowers all summer and fall. Pkt., 10c.
- 1645 **The Sultan.** Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.
- 1627 **W. E. Gladstone.** Rich velvety purple, yellow ring. Pkt., 10c.
- 1647 **Double Fringed.** Improved Hybrids, choice mixed, rich colors, special selection. Pkt., 20c.
- 1655 **Vaughan's Special Single Mixed.** Showy flowers of bright colors. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Double Flowering Varieties. 4 ft.

- 1656 **Coronarium Double White.** Pkt., 10c.
- 1659 **—Double Golden Yellow.** Pkt., 10c.
- 1695 **—Vaughan's Special Mixture of Double Chrysanthemums.** $\frac{1}{4}$ oz., 25c; pkt., 10c.
- 1664 **Double Golden Crown.** Has a robust constitution, 3 to 4 ft. tall, carrying from 50 to 60 flowers at one time. Rich golden flowers are double, with quilled petals. Pkt., 25c.
- 1700 **Vaughan's Special Mixture.** Single and Double sorts in finest mixture, including many varieties not catalogued. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1711 **CHRYSANTHEMUM Japonicum Anemone**
Flowered Mixed. The flowers are beautifully quilled, 2 to 3 inches across, extensively varied in color including a wonderful assortment of gold and bronze tones characteristic of this new strain. Blooms from seed the first year, if sown early. Pkt. 50c

See Novelty Pages for Korean Hybrids.

CINERARIA—See page 39.

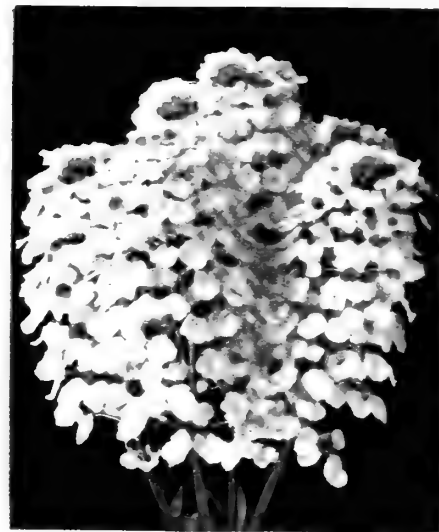
CLOUD GRASS—See *Agrostis Nebulosa*.

Coix □ 2 to 4 ft.

Culture: A or B, Page 40

1850 **Lachrymae (Job's Tears).** An ornamental grass with curious seeds which may be used as beads. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 40c.

COCKSCOMB—See *Celosia Cristata*



1260 CANDYTUFT Giant Hyacinth-Flowered. White. Pkt., 10c.

Candytuft (Iberis) □

Culture: A, B, D or E, Page 40

Successive plantings give flowers all summer. May be sown late in Fall in Tulip beds.

1260 **Giant Hyacinth-Flowered White.** 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. 1 oz., \$1.00; $\frac{1}{4}$ oz., 25c; pkt., 10c.

Umbellata 1 ft. Flowers in umbrella form.

- | | |
|--|-------------------------------------|
| 1275 Alba. White. | 1277 Flesh. |
| 1276 Carmine. | 1282 Rose Pink. |
| 1279 Crimson. | 1287 Mixed. $\frac{1}{4}$ oz., 25c. |
| 1286 Lilac. Each of the above, pkt., 10c; 3 pkts. for 25c. | |
| 1290 Dwarf Hybrids Mixed. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. $\frac{1}{4}$ oz., 25c. | |
| 1291 Dwarf White. | 1294 Dwarf Crimson. |
| 1293 Dwarf Rose. | 1295 Dwarf Lilac. |
| Each of above, pkt., 10c; 3 pkts., 25c. | |
| 1289 Little Prince. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. $\frac{1}{4}$ oz., 30c; pkt., 10c. | |

Cobaea (Cathedral Bells)

Culture: A, B, D or E, Page 40 □ = 30 ft.

1820 **Scandens.** One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. $\frac{1}{4}$ oz., 25c.

1825 White 1830 Mixed. White and blue. Each of the above, pkt., 10c.



1820 COBAEA Scandens Pkt., 10c.



1570 **CENTAUREA** Giant Sweet Sultan Mixed. Pkt., 10c.



CENTAUREA 1480 Americana and 1485 Alba. Each, pkt., 10c.



1522 **CENTAUREA CYANUS** Vaughan's Special Super Double Mixed. Pkt., 15c.

Bachelor Buttons Centaurea Cyanus Super Double.

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

- 1505 **Black Boy.** Blackish maroon.
1506 **Blue Boy.** The true cornflower blue.
1507 **Pinkie.** Lovely true pink.
1508 **Red Boy.** Deep glowing red.
1509 **Snowman.** Pure white.
Each of above, $\frac{1}{4}$ oz., 30c; pkt., 15c; any 2 pkts. for 25c.
1522 **Vaughan's Special Super Double Mixed.** Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c.
1504 **Jubilee Gem.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 inches in height. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
1503 **Lilac Lady.** Is a dwarf growing variety like the preceding except in color, which is a bright lilac mauve. It is useful as an edging plant or for clumps in borders. Pkt., 15c.

White Leaved (Dusty Millers)

Culture: A, B, D or E, Page 40

- 1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. pkt., 10c.
1600 **Gymnocarpa.** $1\frac{1}{2}$ to 2 ft. Foliage finely cut of silvery gray color. $\frac{1}{4}$ oz., 25c; pkt., 10c.
1730 **Cineraria Maritima Diamond** is also known as Dusty Miller. Pkt., 10c.

CHINESE FORGET-ME-NOT—See Cynoglossum Amabile. Pkt., 10c.

CHINESE LANTERN PLANT—See Physalis Franchetti. Pkt., 10c.



1855 **COLEUS** Vaughan's Rainbow Mixed. Pkt., 25c.

The Popular Centaureas

Culture: A, B, D or E, Page 40



1580 **CENTAUREA** Yellow Sweet Sultan. Pkt., 10c.

Coleus □ 2 ft.

Culture: D or E, Page 40

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color.

- 1855 **Vaughan's Rainbow Mixture.** The handsomest foliage plant obtained from seed. The leaves often measure 8x10 inches; their color combinations are remarkably rich. Pkt., 25c.
1861 **Large Leaved Copper.** Pkt., 25c.
1863 **Large Leaved Dwarf Mixture.** The coloring is very attractive with many shades and tints of yellow, copper, red, etc. Pkt., 25c.
1860 **Fine Mixed.** Pkt., 10c.

Centranthus □

Culture: A or B, Page 40

- 1605 **Macrosiphon.** It is a splendid annual, coming into flower quickly from seed and continuing throughout most of the summer, its large heads of deep rose flowers on one to two foot stems (its height is largely governed by the fertility in the soil) being good garden ornaments in proper surroundings and long-lasting cut flowers. Pkt., 10c.

Giant Sweet Sultans Imperialis 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

- 1566 **Amaranth.** Rich plum color.
1550 **Brilliant Rose.**
1545 **Delicate Lilac.**
1565 **Deep Lavender.**
1560 **Purple Crimson.**
1540 **White.**
Each of the above, pkt., 10c; 3 pkts. for 25c.
1570 **Imperialis, Mixed.** $\frac{1}{4}$ oz., 25c; pkt., 10c.

Various Centaureas

- 1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. $\frac{1}{4}$ oz., 25c; pkt., 10c.
Combine the above with those of Salvia Indian Purple for unique arrangement.
1485 **Americana Alba (Star Thistle).** 2½ ft. Immense heads of double fluffy blooms, almost pure white. $\frac{1}{4}$ oz., 25c; pkt., 10c.
1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. $\frac{1}{4}$ oz. 25c; pkt., 10c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS.** Includes all the annual Centaureas, and a packet will produce cut flowers all summer. $\frac{1}{4}$ oz., 25c; pkt., 10c.

For other varieties, See Novelties and Perennial Pages.

Quaint Collinsias

Like a Pagoda.

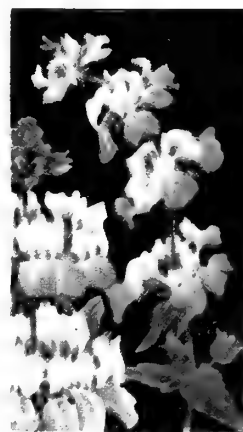
□ 18 in.

Culture: A or B, Page 40

Also known as "Chinese Houses" because the tiers of whorled deeply-lipped flowers suggest Chinese pagodas. Grows in common soil, blooms freely from June to October. Good cut flower material, also fine for bedding and edging.

- 1867 **Salmon Beauty.** Purest salmon-rose tone. Pkt., 15c.

- 1870 **Mixed.** Many colors of these old-fashioned annuals in mixture. $\frac{1}{4}$ oz., 25c; pkt., 10c.



1870 **COLLINSIA** Mixed. Pkt., 10c.



1463 CELOSIA Flame of Fire. Pkt., 25c.



1930 COSMIDIUM Orange Crown. Pkt., 10c.

Cosmidium Orange Crown □ 2 ft.

Culture: D or E Page 40

1930 The flowers are golden yellow with a broad circle of a rich orange around the center disc. Bloom all summer. Pkt., 10c.



1998 CREPIS (Hawkweed). Pkt., 10c.

Crepis or "Pink Dandelion"

Culture: A or B, Page 40

1998 7-18 in. Showy semi-double star flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 10c

Celosia (Cockscomb) □

Culture: A, B, D or E, Page 40

THE name Cockscomb is derived from the resemblance of the flower heads of the crested type to a cock's comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Easily dried for winter use.

Crested Dwarf Sorts, 8 to 10 in.

- 1410 **President Thiers.** Fine dwarf habit with bronzy foliage and large, velvety crimson combs.
 1415 **Empress.** Blood-red combs and brown foliage.
 1420 **Aurea.** Golden yellow combs.
 1421 **Rose.**
 1430 **Dwarf Mixed.**

Each of above, pkt., 15c.

Crested Tall Sorts, 18 to 24 in.

- 1431 **Chamois.** 1433 **Golden Yellow.**
 1432 **Crimson.** 1437 **Scarlet.**

Each of above, pkt., 15c.

- 1435 **Tall Mixed.** Pkt., 10c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

- 1476 **Fire Feather.** Red. Pkt., 25c.
 1477 **Golden Feather.** Yellow. Pkt., 25c.

Tall Ostrich Plume Sorts

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

- 1440 **Aurea.** Orange.
 1445 **Coccinea.** Crimson. 1446 **Rose.**
 1447 **Scarlet.** 1450 **Mixed.**

Each of above, pkt., 10c.

- 1455 **Thompsoni Magnifica.** Mixed. 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

Dwarf Ostrich Plume

- 1475 **Dwarf Plume Varieties Mixed.** 15 in. Good for pots and beds. Pkt., 25c.

Other Celosias

- 1463 **Flame of Fire.** 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.

- 1454 **Miracle Cockscomb Mixed.** Grows 2-3 ft. high without branches terminated with remarkable Cockscombs of enormous size. At its best September until frost. Pkt., 25c.

- 1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.

- 1470 **Spicata.** 3 feet. Round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver-white. Pkt., 15c.

- 1465 **Chinese Woolflower, Crimson.** Grows rapidly into a plant 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool. The color endures unfading until frost. Pkt., 15c.

- 1466 **Chinese Woolflower, Deep Rose.** Pkt., 15c.

- 1467 **Chinese Woolflower, Yellow.** Pkt., 15c.

- 1468 **Chinese Woolflower, Mixed.** Pkt., 15c. See also Novelties.

Cynoglossum □ 18 to 24 in.

Culture: A, B, D or E, Page 40

- 2015 **Amabile, Chinese Forget-Me-Not.** Produces long sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of Blue flowers. $\frac{3}{8}$ oz., 25c; pkt., 10c.

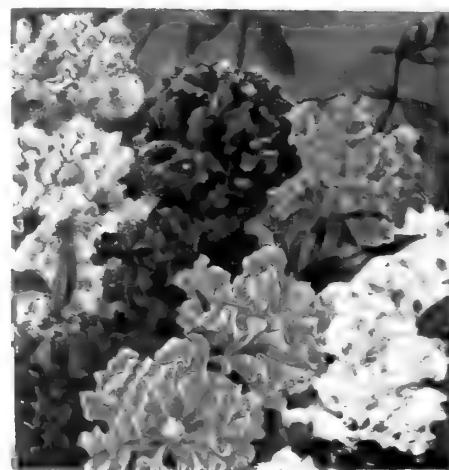
- 2017 —**Pink.** Similar to the above but having lovely bright pink blooms. Pkt., 15c.

- 2018 —**Fairy Blue.** 2 ft. Flowers like Amabile, of bright Cambridge or sky blue tone. Pkt., 15c.

- 2020 **Firmament.** It is dwarf, free-blooming over a long season, flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil. $\frac{1}{2}$ ft. Pkt., 10c.

- 2016 **Linifolium.** 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.

- 1927 **CORN Ornamental Indian or Squaw.** The ears are used in making Charm or Patio Strings. The kernels are of various bright colors. Pkt., 10c.



1790 CLARKIA Vaughan's Special Mixture Pkt., 10c.

Double Clarkia □ 2 ft.

Culture: A, B, D or E, Page 40

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. Does best in sections where summers do not get too hot. If the roots are confined by growing in small pots, they will bloom earlier.

- 1735 **Albatross.** Pure white of upright growth.
 1740 **Apple Blossom.** Apple blossom.
 1743 **Brilliant.** Bright carmine.
 1744 **Chieftain.** Delicate mauve.
 1757 **Enchantress.** A wonderful salmon pink.
 1749 **Firebrand.** Brilliant coppery-scarlet.
 1750 **La France.** Delightful pale salmon pink.
 1747 **May Blossom.** Pure glowing rose which deepens to pink.
 1748 **Orange King.** Bright orange scarlet.
 1751 **Purple Prince.** Rosy purple.
 1755 **Queen Mary.** Rose carmine.
 1761 **Salmonea Perfecta.** True salmon.
 1762 **Scarlet Queen.** Glowing scarlet
 1770 **White Prince.** Pure white.
 Each of above, pkt., 10c; any 3 pkts. for 25c.

- 1789 **Novelty Mixture.** A mixture of new and attractive varieties. Pkt., 15c.

- 1790 **Vaughan's Special Mixture.** Made up especially from the above named varieties. $\frac{3}{8}$ oz., 25c; pkt., 10c.



2015 CYNOGLOSSUM Amabile (Chinese Forget-Me-Not) Blue. Pkt., 10c.

CONVOLVULUS, Morning Glory—See Page 60
 CORNFLOWER—See Centaurea

Cosmos from July to Frost

Culture: A, B, D or E, Page 40

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

COSMOS Sensation, New Giant Early Strain

Early flowering blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1965 **Cardinal Red.** Pkt., 25c.

1968 **Pink.** A delightful rose-pink selection. Pkt., 25c.

1967 **Purity.** A white with satin sheen. Pkt., 25c.

One packet each of above 3 colors, for 60c.

1966 **Sensation Special Mixed.** Including the three colors offered. Pkt., 25c.

Single Early Flowering Mammoth. 3 ft.

1935 **White.** 1945 **Crimson.** 1940 **Pink.**

Each of the above, Pkt., 10c.

1950 **Early Flowering Mammoth Mixed,** all colors. $\frac{1}{4}$ oz., 20c; pkt., 10c

Double Early Flowering. 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 **Pink.** 1991 **White.** 1992 **Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 **Mixed.** Above 3 colors. $\frac{1}{8}$ oz., 35c; pkt., 25c.

1979 **Orange Flare.** Well-branched plants, 3 ft. tall, covered with showy golden orange flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. $\frac{1}{8}$ oz., 35c; pkt., 15c.



1968 COSMOS Sensation. Pink. Pkt., 25c.



1979 COSMOS Orange Flare. Pkt., 15c.



1994 COSMOS Double Mixed. Pkt., 25c.



2115 DATURA Double Fine Mixed. Pkt., 10c.



1954 COSMOS Miniature Golden. Pkt., 10c.

1954 **Miniature Golden** (*Bidens Humilis*). 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c.

Cheiranthus ☐

Culture: A or C, Page 40

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

1607 **Allioni (Siberian Wallflower).** 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.

1608 **Golden Bedder.** Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. Pkt., 15c.

1609 **Kewensis.** 12 in. A brilliant orange-yellow, blooms freely from seed first year. Pkt., 25c.

1611 **Linifolius (Alpine Wallflower).** 9 in. Wallflower-like blossoms of lilac. Pkt., 15c.

Cleome Pungens (Spider Plant)

Culture: D or E, Page 40

☐ 5 ft.

1800 **Pungens.** Stately, shrub-like plants producing showy, curious flower heads of rich rosy crimson. A good bee plant. Pkt., 10c.

1801 **White.** Flowers white. Pkt., 10c.
Lutea. See Novelties.

Cypress Vine ☐ = 10 ft.

Culture: A, B, D or E, Page 40

A graceful, twining annual climber with fernlike foliage and star-shaped blossoms. Sow in May, first soaking seeds in warm water.

2040 **Mixed.** Scarlet and white. $\frac{1}{4}$ oz., 20c; pkt., 10c.

Datura (Angel's Trumpet) ☐ 3 ft.

Culture: A, B, D or E, Page 40

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. They should be given a light soil and sun.

2100 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, one within the other; rich violet, with white interior

2115 **Double Fine Mixed.**

Each of the above, pkt., 10c.

Cyperus ☐ 1 1/2 ft.

Culture: D, Page 40

2030 **Alternifolius (Umbrella Plant).** Grows in pool in rich soil, long spikes with narrow green leaves, umbrella shape. Pkt., 10c.

Cuphea, Firecracker Plant ☐

Culture: A or B

1998A **Avalon Hybrids.** Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion. Pkt., 25c.

1999 **Firefly.** Compact annual with a spread of about 12 inches. The flowers are fluted, a deep rosy scarlet deepening almost to purple at the center. The foliage is very attractive, the plants flower from seed in five months. Pkt., 25c.

2000 **Platycentra (Cigar Plant).** Scarlet and black. Pkt., 20c.



2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.



2090 DAHLIA Vaughan's Special Mixture. Pkt., 35c.

2090 DAHLIA Vaughan's Special Mixture. This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, and Cactus varieties, also the single flowering sorts. Pkt., (60 seeds) **35c**

Dahlborg Daisy □ 8 in.
(*Thymophila Tenuiloba*)
Culture: A or B, Page 40

2047 The thrifty little plants grow about 8 inches high and a foot wide, and are quite covered with small yellow Daisy-like flowers. Absolute uniformity and early and continuous flowering to frost. Pkt., 25c.

Diascia □ 9 in.
Culture: A or B, Page 40

2306 **Barberae.** Pretty pink coral-like flowers, freely produced on slender stems during the whole of summer. Excellent for dwarf borders and makes a fine pot plant for indoor decoration. Pkt., 15c.

DIGITALIS (Foxglove)—See Perennial Pages.

Dracocephalum □ 18 in.

2355 **Moldavicum (Dragon's Head).** A native of Siberia has lace-shaped leaves, and fragrant bluish-violet flowers borne in long nodding racemes from July to October. A good honey plant. Pkt., 10c.

DUSTY MILLER—See *Centaurea* and *Cineraria*.

Dahlias from Seed

Culture: D or E, A or B, Page 40

It is easy, most interesting and fascinating to grow Dahlias from seed and enjoy the surprise of new colors and forms. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

The varied forms, from the giant Salbach varieties, to the single Coltness and the Unwin varieties, supply a great range of form and color.

DOUBLE DAHLIAS

2088 Dobbie's Orchid Flowered Mixed. Petals twisted and curled in a variety of colors. It comes 90 percent true from seed. Pkt., 25c.

2080 Double Best Mixed. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2075 Double Cactus Flowered Mixed. 3 ft. With twisted and curled petals. From a specialists' collection including unusual colors. Pkt., (60 seeds), 25c.

2083 Salbach Choice Mixed. 4 ft. If you want giant show flowers try this. 100 seeds, \$1.00.

2084 Salbach Selected Mixed. 4 ft. 100 seeds, \$2.50.

2087 Unwin's Ideal Bedding Mixed. The flower petals are nearly all twisted. Double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

2091 Zulu Strain. Dark bronzy leaved plants of the Unwin type, with semi-double flowers of crimson and scarlet. Pkt. (50 seeds), 35c.

Single Flowering

2055 Collarette, Mixed Colors. 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2057 Coltness Gem. 18 in. Bright scarlet, varies. Pkt., 25c.

2059 Coltness Rose. 18 in. Bright rose and pink shades. Pkt., 25c.

2058 Coltness Yellow. 18 in. Good clear yellow. Pkt., 25c.

2060 Coltness White Gem. The best selection of white. Pkt., 25c.

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

Any three packets of Coltness for 60c.

2086 DAHLIA UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They flower until frost kills the plants, and produce tubers which can be saved. Pinched back, they make fine pot plants. We had a glorious display of these this season in our Trial Grounds at Western Springs, Ill. From seed sown on June 24 in less than sixty days we had flowers and they remained in perfect condition into November. $\frac{1}{4}$ oz., \$1.00; **25c**
 $\frac{1}{8}$ oz., 60c; pkt.

Annual Pinks

DIANTHUS

Culture: A or B, D or E, Page 40

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations.

Double Flowering

2257 Chinese Double Mixed. Handsome clusters of very double flowers; many bright colors. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2290 Fireball. Large, double; rich, blood-red.

2258 Heddewigi Double (Double Japanese Pinks), Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.

2280 Lucifer. Orange. **2296 Midnight.** Blood-red

2295 Rosalind. Rose. **2255 Salmon King.** Pink.

2293 Snowdrift. Compact, fringed white flowers

2251 Double Sweet Wivelsfield. The original single was a cross of the *Dianthus Alwoodi* and *Sweet William*. This has the same characteristics only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

Each of the above, pkt., 10c; any 3 pkts. for 25c.

Single Flowering

2236 Heddewigi Large Flowered Single Japanese Pinks. Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers. Pkt., 10c.

2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center. Pkt., 10c.

2196 Salmon Queen. Salmon scarlet. Pkt., 10c.

2245 Vaughan's Special Mixture, Single Pinks. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{4}$ oz., 30c; pkt., 10c.



2250 DIANTHUS Sweet Wivelsfield. Pkt., 15c.

2250 Single Sweet Wivelsfield, Mixed Colors.

A cross of *Dianthus Plumarius* and *Sweet William* blooming the first year from seed. The flower heads resemble *Sweet William* in an almost unbelievable range of colors. $\frac{1}{4}$ oz., 30c; pkt., 15c.

2300 DIANTHUS Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. $\frac{1}{4}$ oz., 30c; pkt., 10c.

See page 9 for varieties illustrated on front cover



2325 **DIMORPHOTHECA** Aurantiaca
Hybrids. Pkt., 10c.

Golden African Daisy

DIMORPHOTHECA □

Culture: A, B, D or E, Page 40

Showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure.

- 2320 Aurantiaca.** 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc.
2321 —Golden West. Bright golden yellow.
2322 —Salmon Beauty. Soft salmon pink.
2324 —White Beauty. A pure, glistening white.
 Each of the above, pkt., 10c.

2325 —Hybrids. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2326 Ecklonis. 3 ft. White 3 inch. blossoms of velvety texture marked with a rich blue or purple eye; are produced on bushes with branching stems, from August, surviving light frosts. Pkt., 15c.

2329 Spectabilis. 12 to 14 in. Has a single Daisy-like bloom about two inches in diameter, of wine red with a shining black center. A half hardy perennial treated as an annual. Pkt., 25c.

2323 Yellow Gem. 5-6 in. A Tom Thumb variety, making a showy dwarf plant covered with large flowers of glistening yellow without zone or eye. Fine for bedding, edging or rockeries. Pkt., 25c.

DELPHINIUM ANNUAL—See Larkspur.



2310 **DIDISCUS** Lavender Lace Flower. 10c.

Didiscus □ 3 ft.

Culture: A, B, D or E, Page 40

2310 Coeruleus (Lavender Lace Flower). Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent cut flower. $\frac{1}{8}$ oz., 25c. Pkt., 10c.

California Poppy

ESCHOLTZIA □ 12 in.

Culture: A, B, D or E, Page 40

Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish. Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties, 1 ft. (California).

- 2380 Dainty Queen.** Blush pink on cream.
2398 The Geisha. Brilliant gold inside, orange-crimson outside, fluted.
2396 Ramona. Frilled edges give it the appearance of a semi-double. Golden-bronze within and coppery-rose outside.
2414 Ramona Hybrids, Finest Mixed. The flowers are beautifully frilled and fluted, the petals incurving to form a flower which at first glance appears to be double. The plants are dwarf and compact and do not make a profuse foliage.

Spreading Varieties, 1 ft. (California).

- 2370 Carmine King.** Deep carmine.
2376 Chrome Queen. Soft amber buff.
2385 Golden West. Bright yellow, orange center.
2387 Mandarin. Inside orange, outside scarlet.
2392 Mikado. Lustrous orange-crimson.
2404 Sunlight. A lovely canary yellow.
2405 Vesuvius. Rich wallflower red.

Double and Semi-double Varieties.

- 2395 Robert Gardiner.** Deep orange.
2410 Double and Semi-double Mixed.
 Each of the above, pkt., 10c.



2435 **EUPHORBIA** Variegata (Snow on the Mountain). Pkt., 10c.

Euphorbia □ 2 ft.

Culture: A, B, D or E, Page 40

2430 Annual Poinsettia, or Mexican Fire Plant. Resembling in habit and color the beautiful hot-house Poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt. 10c.

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Dolichos (Hyacinth Bean)

Culture: A, B, D or E, Page 40

If you have a wire fence which you want covered, we know of no plant more decorative than this. The flowers are followed by attractive seed pods. □ = 10 ft.

- 2330 Princess Helen (Daylight).** Snow-white flowers, silvery seed pods. Pkt., 10c.
2335 Purple Soudan (Darkness). Rose-violet flowers, ruby-purple seed pods. Pkt., 10c.
2340 Mixed. Pkt., 10c.
2345 Lignosus (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

2480 GAURA Lindheimeri. 3 ft. Pkt., 10c.



2415 **ESCHOLTZIA** Vaughan's Special Mixture. Pkt., 10c.

2389 Monarch Art Shades. A compact strain of large-flowering California Poppies in mixture distinct from other types. Flowers are semi-double, the colors ranging through light rose to deep rose and carmine, and from deep golden yellow to orange and scarlet. Pkt. 10c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. $\frac{1}{4}$ oz., 30c. Pkt., 10c.

Echium □ 12 to 18 in.

Culture: A or B.

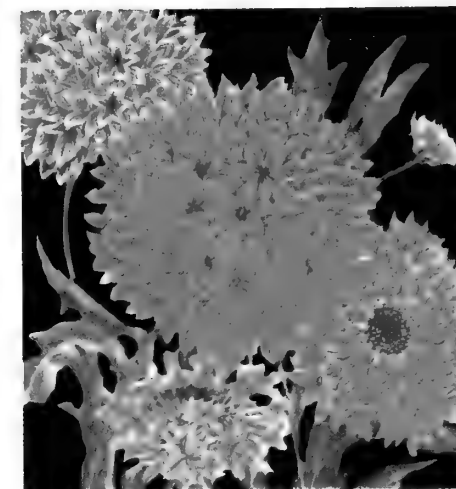
2358 Blue Bedder. Deep bright blue bell flowers in compact bushy plant. Pkt., 15c.

Gaillardia □

Culture: A, B, D or E, Page 40

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. 18 in.

- 2474 Lorenziana Rubra.** Double red beauty. Pkt., 10c.
2475 —Double Mixed. $\frac{1}{4}$ oz., 25c; pkt., 10c.
2471 Picta Indian Chief. 1 ft. Attractive flowers of deep coppery scarlet, accentuated by a dark brown center. Dense bushy plants. Pkt., 10c.
2470 —Single Mixed. Pkt., 10c.
 See also Perennial Pages.



2475 **GAILLARDIA** Double Mixed. Pkt., 10c.

Grevillea □ 1 to 5 ft.

Culture: A or B, Page 40

2675 Robusta (Silk Oak). Grows rapidly from seed, and is pretty in all stages of growth; drooping, silky foliage. Excellent for fern dish use. In Florida, develops into an ornamental tree. Pkt., 10c.



GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted (2646); 9. Apple Striped (2601); 10. Apple-Shaped (2600); 11. Sugar Trough (2640); 12. Orange (2627); 13. Calabash (2608); 14. Nest Egg (2625); 15. Pear-Shaped (2635). Each, Pkt., 10c. One pkt. ea. (15 pkts. value \$1.50) for \$1.25.

Gourds

Culture: A, B, D or E, Page 40

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

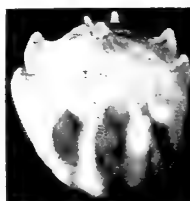
LARGE FRUITED

- 2599 **Acorn.** Twelve inches across, rounded out at the top like an acorn and smooth and pointed at the bottom. It is yellow with a yellowish-orange top.
- 2603 **Bird's Nest.** For bird houses.
- 2605 **Bottle.** Large. The original Thermos bottle. Makes fine bird-houses.
- 2608 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used in making pipes.
- 2610 **Dipper.** Fruit makes an excellent dipper and may be used for birds' nests.
- 2615 **Dishcloth or Towel.** *Luffa Acutangula.* The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of it.
- 2617 **Green Snake.**
- 2618 **Hercules' Club.** Fruit grows 3 to 4 ft. long.
- 2621 **Malabar Melon.** Green striped fruits, 8-10 inches long with edible pulp.
- 2640 **Sugar Trough.** Thick shells, very durable.
- 2645 **Turk's Turban.** Odd brightly colored fruit. Each of above, pkt., 10c; any 3 pkts. for 25c.
- 2651 **Large-Fruited Sorts.** Mixed. Oz., 40c; ½ oz., 25c. Pkt., 10c.

2660 **Vaughan's Special Mixture.** All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. A bonanza for collectors. 1 oz., 40c; ½ oz., 25c; pkt. 15c

Crown of Thorns Gourd

2609 Also known as Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl. Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. Some or all the prongs or fingers may bear a furrow or valley down the back and two points at the apex. The fingers are hollow when inside pulp or fiber dries away. The shell is hard and durable. Base of the Gourd, about the stem, shows the ten customary main grooves. It is white or ivory-white. Pkt., 25c.



SMALL FRUITED

- 2600 **Apple-Shaped.** Small fruits.
- 2607 **Bottle Miniature.**
- 2625 **Japanese Nest Egg.** Practical nest eggs.
- 2627 **Orange.** The well known Mock Orange.
- 2630 **Ornamental Pomegranate** or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
- 2634 **Pear Bicolor.** Small fruit.
- 2635 **Pear-Shaped.** Striped yellow and green.
- 2643 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.
- 2646 **Warted Sorts Mixed.** Each of the above, pkt., 10c; any 3 pkts. for 25c.
- 2650 **Small Fruited Varieties Mixed.** Oz., 40c; ½ oz., 25c; pkt., 10c.

Gilia

Culture: A, B, D or E, Page 40

- 2532 **Capitata (Blue Thimble Flower).** 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, retaining their color when dried. ¼ oz., 25c. Pkt., 10c.
- 2530 **Mixed.** 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.
- 2534 **Coronopifolia Mixed (Standing Cypress).** 4-6 ft. Tall stems bear flowers 1 ½ inches long near top. Vermilion to scarlet and yellow. Pkt., 15c.

Gomphrena (Globe Amaranth)

Culture: A, B, D or E, Page 40. 18 in. □

- A showy annual everlasting with clover-like heads.
- 2506 **Globosa Alba.**
- 2510 **—Rubra.** Red. 2525 **—Mixed, all colors.** Each of the above, pkt., 10c; 3 pkts. for 25c.
- 2520 **Orange.** Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 10c.



2532 GILIA Capitata. Pkt., 10c.

Godetia (Satin Flower) □

Culture: A, B, D or E, Page 40

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.

Upright Growth, Single Flowers.

Each of the Godetia listed below, pkt., 10c.

- 2570 **Duchess of Albany.** 16 in. Pure white.
- 2571 **Duke of York.** Rich scarlet on white.
- 2574 **Kelvedon Glory.** 16 in. Glowing salmon orange, of exceptional brilliance, robust and free.
- 2594 **Orange Glory.** Fiery orange-cerise. Upright growth, double flowers.
- 2591 **Gladiolus Flowered, Mixed.** Different from others, producing flowerspikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors.
- 2581 **Sybil Sherwood Double.** The flowers completely hide the foliage beneath a canopy of beautiful bright salmon pink, white edged flowers.

Compact Dwarf Growth, Single Flowers.

Each of the Varieties listed below, pkt., 10c.

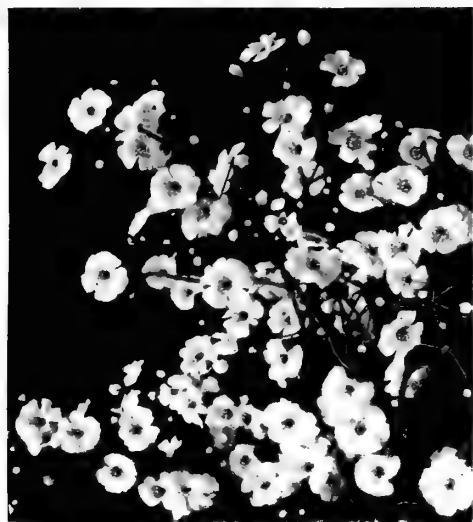
- 2573 **Gloriosa.** 10 in. Dark glowing red.
- 2579 **Lady Satin Rose.** 10 in. Satiny rose.
- 2576 **Rosamunde.** 8 in. Vivid rose with white.
- 2582 **Thunderbolt.** 10 in. Dark crimson, frilled.
- 2586 **White Swan.** 1 ft. Purest satiny white.

Dwarf Double Azalea Flowered.

- 2577 **Sweetheart.** 12 in. Pink, cream overlay.
- 2584 **Maiden's Blush.** 10 in. Good pink for pot.
- 2598 **Dwarf Sorts Mixed.** 10 in. Neat globular



2598 GODETIA Dwarf, Mixed. Pkt., 10c.

2681 **GYPSOPHILA** Elegans Grd. Alba. 10c.

Gypsophila □

Culture: A, Page 40

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases. 2 ft.

2681 Elegans Grandiflora Alba Special Selection. This stock has an average of eight petals, size is about a half-inch per floret. It is extremely free blooming, somewhat more so than the ordinary strain, and the height is about the same as the other strain. The petals are considerably broader than other stocks, making the flowers nice and round, without the usual cartwheel effect. About 10% will be the smaller flowered type. Lb., \$4.00; ¼ lb., \$1.25; oz., 40c; ½ oz., 25c; pkt., 10c.

2682 Elegans Vivid Rose. Pkt., 10c.

2683 —Crimson. Pkt., 10c.

2686 —Mixed. ¼ oz., 25c; pkt., 10c. See also Perennial Pages.

Gazania □ 8 in.

Culture: A or B, Page 40

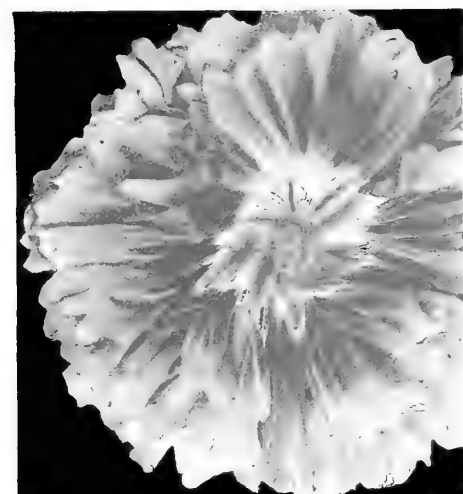
2846 Splendens Hybrida Grandiflora. Showy half hardy perennial, orange, yellow and bronze Daisy-like flowers, blooms first year when sown early. Pkt., 15c.

Grasses Ornamental

Culture: A or B, Page 40

2670 Ornamental Mixed. □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. Pkt., 10c.

GLADIOLUS seed is not offered. Our customers prefer to purchase bulbs. See pages 91-93.

2842 **HOLLYHOCK** Indian Spring. Pkt., 25c.

GIANT SPIDER PLANT—See Cleome Pungens.
GERANIUM—See page 39.

Special Mixture of Annuals for Cut Flowers

Culture: A or B, Page 40

No. 1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. Lb., \$5.00; ¼ lb., \$1.50; oz., 50c; ½ oz., 30c; pkt., 15c.

2820 **HELIOTROPE** Mammoth Mixed. 15c.

Fragrant Heliotrope □ 2 ft.

Culture: A or B, D or E, Page 40

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, and are as easily grown as Verbenas.

2825 King of the Blacks. Deep purple. Pkt., 15c.

2826 Madam Bruant. Dwarf variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 15c.

2824 Queen Marguerite. 2 ft. Very large umbels of dark blue flowers. One of the finest. Pkt., 15c.

2830 Fine Mixed. Pkt., 10c.

2820 Mammoth Mixed. Large flowers ranging from dark blue to lilac. Pkt., 15c.

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E, Page 40

The perennial varieties flower only the second year if grown from seed; these annual kinds, however, bloom the first year, and if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

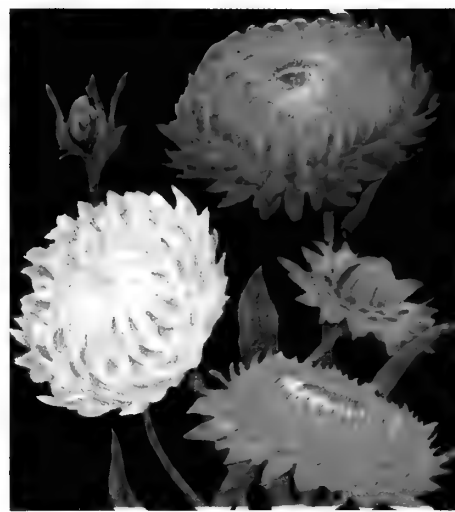
2845 Everblooming Double Mixed. Double and semi-double. ¼ oz., 25c; pkt., 10c.

2840 Everblooming Single Mixed. Large single flowers, exhibiting every shade known in Hollyhocks. ¼ oz., 25c; pkt., 10c.

2842 Indian Spring. If sown in February it will bloom freely in early August, producing flowers of varying attractive bright rose and rosy-carmine semi-double. It grows a central stem which may attain six feet in height. Flowering branches are produced freely. Both stem and branches bear flowers. Pkt., 25c.

(For others, see Perennial List.)

HONESTY—See Lunaria in Perennial Pages.

2810 **HELICHRYSUM** (Straw Flowers) Vaughan's Special Mixture. Pkt., 15c.

Helichrysum □ 3 ft.

Culture: A or B, D or E, Page 40

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem.

2775 Fire Ball. **2770 Silver Ball.**
2780 Golden Ball. **2771 Silvery Pink.**
2785 Rose Queen. **2795 Violet Queen.**
2790 Salmon Queen. **2800 Mixed.**

Each of the above, pkt., 10c; any 3 pkts., 25c.

2812 Dwarf Double Mixed. 1½ ft. A splendid mixture of the dwarf growing varieties. Fine for bedding as it does not need staking. Pkt., 10c.

2810 HELICHRYSUM Vaughan's Special Mixture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. It will produce material for many novel and attractive combinations for decorating the home. ¼ oz., 25c. Pkt. **15c**

Annual Everlastings For Winter Bouquets

Culture: A, B, D or E, Page 40

150 Acroclinium Roseum. Double. 2 ft. 10c.
295 Ammobium Alatum Grand. Pkt., 10c.
2525 Gomphrena. Mixed, all colors. Pkt., 10c.
4540 Rhodanthe. Mixed colors. Pkt., 10c.
4683 Salvia Farinacea Blue Bedder. Pkt., 10c.
4795 Statice Russian (Suworowii). Pkt., 10c.
4800 —Bonduellii Superba. Yellow. Pkt., 10c.
4801 —Sinuata Rosea Superba. Pkt., 10c.
4803 —Kampf's Improved True Blue. Pkt., 15c.
5849 Xeranthemum Double Mixed. Pkt., 10c.
2440 Everlastings Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 10c.

Heteropappus □ 2 ft.

Culture: A or B, D or E, Page 40

2833 Hispidus. Bushy plants are covered with Aster-like flowers 1½ inches across of silvery lavender in contrast with yellow centers. Pkt., 25c.

2848 HONEY PLANTS OR BEE GARDEN COLLECTION

5 pkts., for 40c.

1 Pkt. each, Borage, Phacelia Campanularia, Sweet Alyssum, Cleome Pungens, Dracocephalum Moldavicum.

2847 HONEY or BEE PLANTS Mixed. A special mixture of the above and other bee-loving plants. Pkt., 25c.



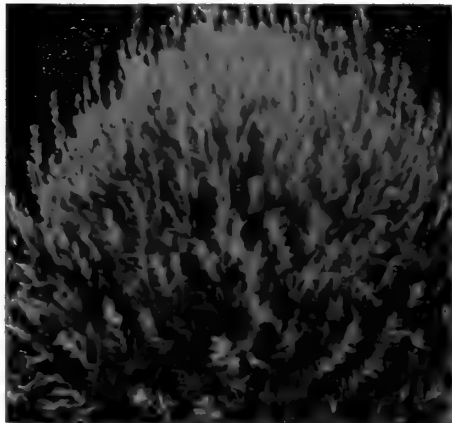
2861 HUNNEMANNIA Sunlite. Pkt., 15c.

Hunnemannia ☐ 1½ ft.

Culture: A or B, D or E, Page 40

2860 (Bush Escholtzia, or Santa Barbara Poppy). The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. Oz., 80c; ¼ oz., 25c; pkt., 10c.

2861 Sunlite. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days as a cut flower. ¼ oz., 50c; pkt., 15c.



2965 KOCHIA Childsii (Burning Bush) Pkt., 10c.

Kochia—Burning Bush ☐ 2½ ft. Annual Hedge Plant

Culture: A or B, D or E, Page 40

2965 Childsii. It resembles a close-clipped ornamental evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 25c; ½ oz., 15c; pkt., 10c.

Humulus (Japanese Hop) ☐ =

Culture: A or B, D or E, Page 40

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 Green Leaved. Pkt., 10c

2855 Variegated Leaved. Leaves beautifully variegated white, green and yellow. Pkt., 10c.

New Annual Hibiscus

Culture: A or B Page 40

2836 Trionum. The plants are uniform, stiff and rugged, requiring no staking, and bloom from June to frost-time. The flowers are three inches across, of cream with a center of dark purple, dotted with orange stamens. The seed pods resemble the Japanese Lantern (*Physalis*) in shape, but are greenish yellow with slight flutings of dark red. It blooms from sunrise to sunset, after which it fades and a new set of blooms takes its place the next day. Pkt., 15c.

For other varieties, see Perennial Pages.

Impatiens (Zanzibar Balsam)

For Shady Locations.

Culture: A or B, D or E, Page 40

☐ 1½ ft.

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom.

2875 Holstii. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.

2880 Holstii Hybrids. Range from pink through red shades to purplish-violet. Pkt., 15c.

2881 Sultani. Bright rose. Pkt., 15c.

2882 Sultani Hybrids. Colors range from pale pink to dark crimson. Pkt., 15c.

Ionopsidium ☐ 4 in.

For Paving Crevices.

Culture: A or B, Page 40

2890 Acaule. (Violet Cress). Leaves are spade-shaped and small and form a little round mat from which springs pale lavender blue flowers with a center of a deeper shade. Blooms 2 months after sowing. Sow between stepping stones. Pkt., 15c.

Jewel Flower ☐ 5 in.

Culture: A or B, Page 40

2961 Leptosiphon French Hybrids. Charming little plants, covered during the summer with small star-like blooms in many attractive shades. Pkt., 10c.

Kaulfussia Amelloides ☐ 6 in.

Culture: A or B, D or E, Page 40

2970 Dwarf. bushy plants with blue Aster-like flowers sometimes with yellow disc, easy to grow. A fine rock plant. Pkt., 10c.

Linarias (Baby Snaps)

Culture: A or B, Page 40

☐ 12 to 18 in.

Flower resembles miniature Snapdragon and in addition has a long Columbine-like spur. Blooms in about eight weeks from seed. To get best results thin seedlings to 18 inches.

3031 Golden Gem. 10c. **3033 Snow White.** 10c.

3039 Fairy Bouquet. 8 in. A new strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ¼ oz., 30c; pkt., 15c.

3034 Marocana Hybrida Excelsior, Mixed. Colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. ¼ oz., 25c; pkt., 10c.



3039 LINARIA Fairy Bouquet. Pkt., 15c.



2975 LANTANA Mixed. Pkt., 10c.

Lantana +

Culture: D or E, Page 40

2975 Mixed. 2 ft. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an aromatic perfume. Pkt., 10c.

2980 Dwarf Hybrids. Mixed. Pkt., 15c

Lavatera—Annual Mallows ☐

Culture: A or B, Page 40

Showy plants, covered with large flowers. 2½ ft.

2985 Splendens Alba. Silky, pure white. pkt., 10c.

2991 —Mixed. Pkt., 10c.

2989 —Sutton's Loveliness. Bronzy foliage, glowing rose-pink flowers. ¼ oz., 25c; pkt., 15c.



3010 LEPTOSYNE Stillmanii. Pkt., 10c.

Quick Flowering Leptosynes ☐

Culture: A or B, Page 40

3011 Golden Rosette. 18 in. Double perfect bright yellow rosettes. Blooms in 10 weeks. Pkt., 25c.

3010 Stillmanii. 1½ ft. One of the quickest flowering annuals, blooming in five weeks and the Cosmos-like flowers continue for a long period. Pkt., 10c.

3015 Maritima (Sea Dahlia). 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Give a sunny situation. Pkt., 10c.

Linum—Annual Flax ☐

Culture: A or B, Page 40

Round 1 inch flowers last one day, new blooms appear every morning. Plants come into bloom very quickly.

3019 Grandiflorum Coeruleum (Blue Flax). 1½ to 2 ft. Dainty flowers of pale blue. Pkt., 10c.

3020 —Rubrum (Crimson Flax). 2 ft. Brilliantly glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E, Page 40

Double Giant Imperial (Base Branching). □ 3 to 4 ft.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 Blue Bell.** Is a fine medium blue larkspur, deeper than sky blue, yet much lighter than lilac.
- 2158 Blue Cockade.** Rich lilac blue.
- 2166 Blue Spire.** Deep Oxford blue.
- 2152 Carmine King.** Deep carmine rose.
- 2171 Coral King.** Blush pink with a strong suffusion of coral which grows deeper.
- 2153 Daintiness.** Delicate lavender.
- 2172 Dazzler.** A rich scarlet base.
- 2155 Exquisite Pink Improved.** Soft pink shaded salmon.
- 2173 Gloria Improved.** A rich deep rose-salmon.
- 2167 Lilac Spire.** Lilac.
- 2156 Los Angeles.** A shade between salmon and rosy scarlet.
- 2157 Miss California.** Deep pink shaded salmon.
- 2154 Sweet Lavender.**
- 2175 White King.** Pure glistening white with rounded broad petals. The florets are 2 inches across.
- 2168 White Spire.** Dazzling pure white.
- Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.

2159 Giant Imperial Mixed. The above and others. Oz. \$1.40; ¼ oz., 40c; Pkt., 15c.

Double Stock Flowered □ 3 to 4 ft.

- 2120 Dark Blue.**
- 2124 Empress Rose.** A rich pink changing to Hermosa pink.
- 2129 La France.** A pleasing salmon-pink.
- 2131 Lilac Supreme.** Deep lilac.
- 2135 Lustrous Carmine. (Newport Pink.)**
- 2138 Rosamond.** A pure rose color.
- 2139 Rose Queen.** Deep rose-pink.
- 2140 Sky-Blue.**
- 2145 White.**
- Each of the above, pkt., 10c. Any 3 pkts. of the above, 25c; any 6 pkts., 50c.
- 2150 Stock Flowered Mixed.** All colors. Oz., 60c; ¼ oz., 20c; pkt., 10c.

CHINESE LARKSPUR (Delphinium Chinensis).

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual; though it is a hardy perennial and plants will last many years. Fine for beds and border masses.

- 7510 Chinese Blue Butterfly.** 18 in. Deepest blue. Pkt., 15c.
- 7520 —Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.
- 7525 —Album.** 2-3 ft. Pure white. Pkt., 10c.
- 7522 —Cambridge Blue.** 2 to 3 ft. This variety is a really good light blue, far surpassing Belladonna in brilliancy. Pkt., 25c.
- 7526 —Tom Thumb Ultramarine.** 1 ft. A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. Pkt., 15c.
- 7530 —Mixed.** Pkt., 10c.

Lovely Blue Lobelias

Culture: D or E, A or B, Page 40

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration.

- 3040 Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. ½ oz., 50c; pkt., 10c.



3040 LOBELIA Bedding Queen. Pkt., 10c.

- 3041 Blue Gown.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
- 3042 Blue Stone Re-Selected.** Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.
- 3053 Cambridge Beauty.** Large light blue flowers, green foliage. Pkt., 25c.
- 3045 Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. ½ oz., 40c; pkt., 10c.
- 3055 Dwarf Pink.** Pkt., 10c.
- 3050 Emperor William.** Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.
- 3056 Snowball.** White. Pkt., 10c.
- 3067 Tensior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.
- 3070 Mixed Colors.** ½ oz., 25c; pkt., 10c.

Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3061 Hamburgia.** Sky blue with white eye. Pkt., 15c.
- 3051 Prima Donna.** 10 in. Velvety crimson. Pkt., 10c.
- 3065 Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.
- 3060 Speciosa.** 10 in. Dark blue, dark foliage. Pkt., 10c.

LOBELIA CARDINALIS and LOBELIA SYPHILITICA—See Perennial Pages.



2170 LARKSPURS, Vaughan's Special Mixture Annual. Pkt., 10c.

2170 LARKSPURS Vaughan's Special Annual Mixture. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., \$1.00; ¼ oz., 30c; pkt., 10c.

Blue and White Garden

1139. One packet each of the following 11 Annuals (\$1.40 value) for \$1.00.

Those who visited Gardens on Parade of the New York World's Fair of happy memory, carried away recollections of the lovely Blue and White Garden. It was so restful and cool looking even on the hottest day; a symphony in lovely blues and snowy white. Maybe you would like to make one. Special offer the following 11 regular sized packets for \$1.00—regular value \$1.40. Sorry we cannot make any change in these items.

1 pkt.	Ageratum Blue Cap Improved...	15c
1	" Cynoglossum Amabile	10c
1	" Larkspur Stock Flowered Sky Blue	10c
1	" Morning Glory Heavenly Blue	15c
1	" Petunia Heavenly Blue Reselected.	25c
1	" Torenia Fournieri	15c
1	" Alyssum Little Gem	10c
1	" Candytuft Giant Hyacinth Flowered White	10c
1	" Cosmos Early Flowering White	10c
1	" Petunia Snowball	10c
1	" Nicotiana Affinis	10c
Total Value		\$1.40



3105 LUPINUS Tall Annual Mixed. Pkt., 10c.

Annual Lupines

Culture: A or B, D or E, Page 40

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers, richly and variously colored. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long spikes of bloom; prefers a little shade.

- 3095 **Annual Yellow.** Beautiful canary yellow.
 3091 **Hartwegii, White.** Pure white flowers.
 3085 —**Cambridge Blue.** Sky blue.
 3080 —**Oxford Blue.** Dark blue.
 3090 —**Tricolor Rose Queen.** Rose colored flowers.
King or Giant Hartwegii. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers.
 3076 **King, Dark Blue.** Rich Oxford blue striped white.
 3075 **King Heliotrope.** Rosy purple.
 3078 **King, Sky Blue.** 3077 **King, White.**
 3079 **King, Mixed.**

- 3100 **Subcarneus (Texas Bluebonnet).** 15 in. Charming bushy plants. The flowers are of a delightful blue, with heart shaped blotch of deep rosy flesh. Each of the above, pkt., 10c; any 3 pkts., 25c.

- 3110 **Dwarf, Annual Sorts Mixed.** 1 ft. Pkt., 10c.

- 3105 **Tall Annual Sorts, Mixed.** Oz., 30c; pkt., 10c

See also Perennials and Novelties.



3314 MICROSPERMA Golden Tassel. 25c.

Microsperma □ 8 to 9 in.

Culture: A, B or D Page 40

- 3314 **"Golden Tassel."** It forms a compact plant strikingly like a Chinese Primula. The upright flowers 2 inches across, are adorned with a multitude of stamens, which add greatly to their beauty. This beautiful plant is admirably suited for greenhouse decoration and will also do well in the open border. Sowings should be made in heat about the end of February to March, the seedlings repotted and put out of doors at the end of May. Pkt., 25c.

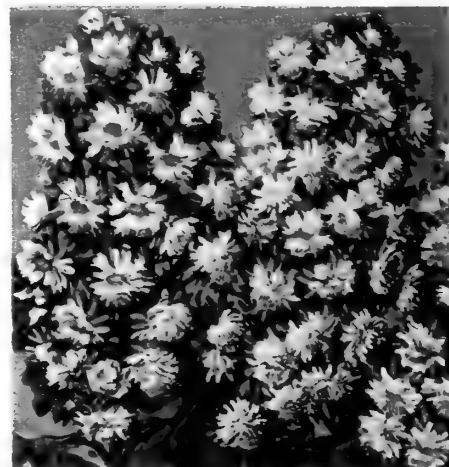
Most Fragrant of Annuals

Mignonette (Reseda) □

Culture: A or B, Page 40

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart.

- 3225 **Bismarck.** 1 ft. The red flowers are large, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.
 3235 **Goliath Red.** 2 ft. Giant red flowering variety. Very fragrant. Pkt., 10c.
 3234 **Golden Goliath.** Deep golden yellow flowers. Pkt., 15c.
 3245 **Machet.** 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.
 3260 **Mixed.** Also many shades and types. ½ oz., 25c; pkt., 10c.



3245 MIGNONETTE Machet. Pkt., 10c.

Four o'Clocks



3290 MARVEL OF PERU (Four o'Clocks) Mixed. Pkt., 10c.

Culture: A or B, D or E, Page 40

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

- 3307 **Lilac.** 3309 **White.**
 3305 **Red.** 3308 **Yellow.** 3306 **Rose.**
 3310 **Sweet Scented.** 28 in. White.
 Each of the above, pkt., 10c.
 3290 **Mixed Colors.** Lb., \$1.50; ¼ lb., 50c; 1 oz., 15c; pkt., 10c.

Mesembryanthemum (Ice Plant) □

Culture: A, B, D or E, Page 40

- 2870 **Crystallinum (Fig Marigold) or Ice Plant.** 8 in. Foliage glitters, being covered with ice-like globules; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork and sunny borders. Pkt., 10c.
 2869 **Criniflorum (Livingstone Daisy).** Plants of slightly spreading Daisy-like flowers. 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor soil. Pkt., 25c.

ANNUALS FOR ROCK GARDENS FOR SUMMER COLOR

Culture: A or B, Page 40

- 4574 **Rock Garden Annuals, Vaughan's Special Mixture.** A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.

Sow For Fragrance EVENING SCENTED STOCK

Culture: A or B, Page 40

- 3212 **Matthiola Bicornis.** □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. ½ oz., 30c; pkt., 10c.

Matricaria □

Culture: D or E, A or B, Page 40

- 3205 **Capensis Fl. Pl. (Feverfew).** 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.

- 3206 **Capensis Improved.** Select flat petaled type, snow-white flowers. Pkt., 35c.

- 3208 **Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

- 3209 **Snowball.** 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.

Mimosa (Sensitive Plant) □ 1 ft.

Culture: D or E, A or B, Page 40

- 3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.

Mimulus □

Culture: D or E, Page 40

- 3275 **Moschatus (Musk Plant).** 10 in. Trailing plant for damp, shady places. Small yellow flowers, without odor. Fine for the rock garden. Pkt., 25c.

- 3281 **Red Emperor.** A gem for the border and rockery, bright crimson scarlet, very free flowering and of compact habit. Pkt., 25c.

- 3280 **Tigrinus (Monkey Flower) Queen's Prize, Single Mixed.** 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers. Pkt., 10c.

Mexican Cup (Anoda) □ 4 ft.

Culture: A or D, Page 40

- 3223 **The Opal Cup.** Luxuriantly growing plant bearing cup-shaped flowers 2¼ inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in five weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.

- 3221 **The Snow Cup.** The blossom-cups are as white as new snow. Keep the plants well spaced for best effect, and wait until it gets into its full swing of blossoming before you judge it. Then you will like it. Blooms for a full five months, providing, of course, that hard freezing does not come. Pkt., 25c.

- 3215 **MAURANDIA Mixed.** □ Pkt., 10c.

Modernized Marigolds

Culture, A or B, D or E, Page 40

Marigolds have been amazingly improved. They bloom from midsummer to frost and afford a wealth of color that is invaluable. Today, Oct. 30, 1940, the Marigolds are the most brilliant flower in our gardens in the Middle West, after surviving several frosts.

3138 Carnation Flowered Golden Eagle. Closely related to Guinea Gold, same habit, height and form of flower, but the color is luminous gold. The plants come 100% double and Marigold odor is practically lacking. Early flowering. Pkt., 15c.

3142 Dahlia Flowered Sunset Giants. 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Some have quilled and incurved petals, others flat Carnation-type flowers. Pkt., 15c.

3143 Chrysanthemum Flowered Incurved Mixed. Identical in form with incurved Chrysanthemum. Plants floriferous, stems strong, deep orange to light yellow flowers. Pkt., 20c.

3183 Floribunda Orange. 12 to 15 in.; about the color of Guinea Gold. Good size, full petalled, Carnation flowered type. Plants extra early flowering; flowered profusely in mid-summer. Pkt., 15c.

3128 Golden Glow. Somewhat resembles Rudbeckia Golden Glow. Petals are straight, sharply pointed and rather flat. Blooms about 2½ inches across and are borne in clusters. Pkt., 15c.

3123 Guinea Gold. 2 to 2½ ft. The original Carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. ⅓ oz., 25c; pkt., 10c.

3174 Harmony. A remarkable break which differs from others in habit, shape, and coloring. Flowers, in form suggesting a Scabiosa, are a bright golden-yellow bordered with a rich maroon-red. The plants are about 12 inches high, and very bushy habit. ¼ oz., 60c; ⅓ oz., 35c; pkt., 15c.



3149 MARIGOLD Tom Thumb Golden Crown. Pkt., 15c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers, of the same Carnation type and firm substance, are produced in great abundance, often 25 to 30 on a plant. Fine for front row of border. Pkt., 15c.

3121 Sunshine. Large and ball-shaped, composed of five-petaled florets, gracefully interlocking; fringed in effect. The color is brilliant golden yellow, 100% double and bloom by August 15. The plants are tall and bushy. Pkt., 15c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

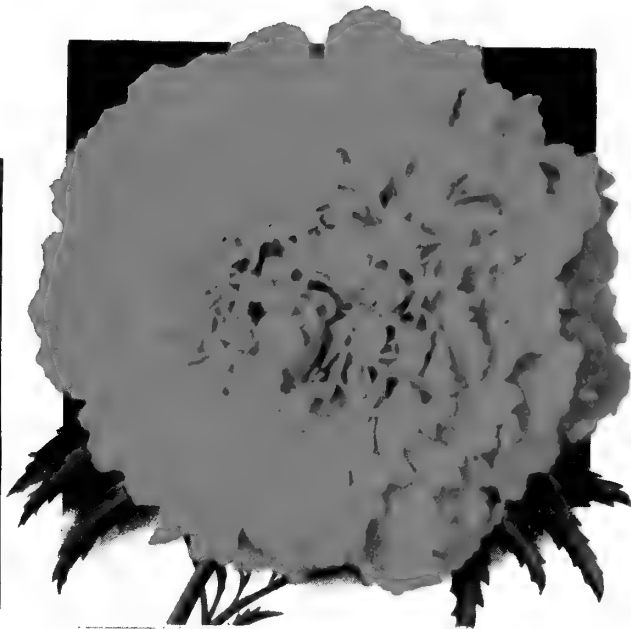
3155 Giant Mixture. Pkt., 25c.

3175 Vaughan's Special Mixture of Dwarf Double and Single Varieties.

These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ¼ oz., 25c; pkt., 10c

3150 Vaughan's Special Tall Mixture.

This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ¼ oz., 50c; pkt., 15c



3142 MARIGOLD Dahlia Flowered Sunset Giants. Pkt., 15c.

Double Tall African 30 in.

3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.

One packet each of above two All Doubles, 25c.

3182 Mrs. Lippincott. 3 ft. A distinctly novel type, petals flaring, giving a frilled effect. Rich creamy yellow flowers 2½ in. across. Pkt., 15c.

3130 Lemon Queen. Lemon yellow, otherwise like the Orange Queen. ⅓ oz., 25c; pkt., 10c.

3135 Orange Queen. Double quilled flowers of a rich, deep, golden orange. ⅓ oz., 25c; pkt., 10c.

3126 Prince of Orange. True quilled double. Bright orange. Stiff stemmed. Pkt., 15c.

Double Tall French 24 in.

3144 Dark Brown. 10c. **3146 Lemon Yellow.** 10c.

3147 Striped (Royal Scot). 24 to 30 in. The double flowers are mahogany and gold in symmetrical stripes which radiate from the center of the flower. Pkt., 10c.

3148 Double Tall French, Mixed. Pkt., 10c.

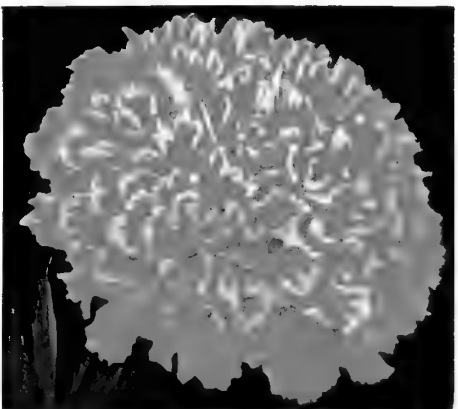
Single Tall French

3157 Josephine. 2 ft. Dark maroon-brown with an edging of old gold, petals of rich velvety texture, borne on long stems. Flowers are fine for cutting and win many prizes in arrangements. Pkt., 10c.

3186 Flaming Fire. 2½ ft. The long stemmed, brightly colored, large single flowers, 2 in. across, at times are flaming red, at other times red and yellow. Plants bloom in about 12 weeks. Pkt., 15c.

A Golden Shower

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. ¼ oz., 30c; pkt., 10c.



3124 MARIGOLD Yellow Supreme. Pkt., 10c.



3174 MARIGOLD Harmony. Pkt., 15c.

Dwarf French Double Sorts 10 in.

3164 Dark Brown. **3167 Gold Ball.**

3165 Gold Striped. **3168 Lemon.**

3166 Robert Beist. A warm shade of shining purple scarlet.

3170 Yellow, Brown Margin.

Each of the above, pkt., 10c.

3171 Monarch Strain of Dwarf French, Double

Mixed. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ⅓ oz., 25c; pkt., 10c.

3172 Monarch Strain Re-Selected Golden Ball. It has exceptionally large flowers for a French variety; double and deepest orange. Pkt., 15c.

3158 Dwarf French All Double Early Flowering Mixed. This is a mixture we make ourselves of All Double. Pkt., 15c.

3160 Mixed (Pride of the Garden). 15 in. Immense golden yellow flowers compact dwarf habit, forming dense bushes. An African type. Pkt., 10c.

3181 Dwarf Royal Scot All Double. 10 in. Dwarf bushy growth. Mahogany and gold. Pkt., 15c.

Single Dwarf Varieties

3178 Fire Cross (Improved Legion of Honor). Each deep orange-yellow petal carries a large crimson-maroon blotch. Pkt., 10c.

3180 Gilt Edge. 8 in. Maroon, edged yellow. Pkt., 10c

Lilliput Dwarf Double

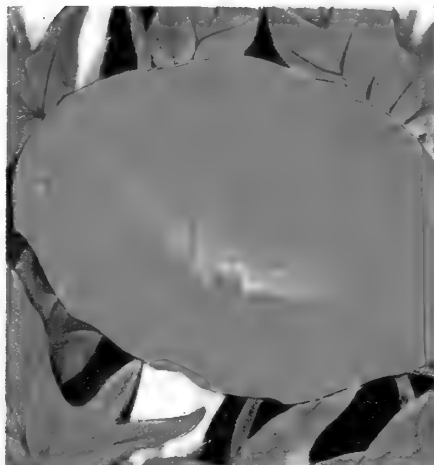
Bushy plants, small flowers excellent for edging. 8 in

3161 Brown. **3163 Sulphur.**

3162 Golden. **3163A Mixed.**

Each of the above, pkt., 10c.

Morning Glories and Moonflowers



2948 MORNING GLORY Scarlett O'Hara.
Pkt., 10c.



2901 Giant Cornell

The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. $\frac{1}{2}$ oz., 60c. Pkt., 20c

Day Flowering Ipomoeas

2900 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion. Pkt., 10c.

2950 **Setosa (Brazilian Morning Glory).** Leaves are 9 inches across; flowers 2 inches, tinted pink with a star of satiny pink. Curious seed pods. Pkt., 10c.

CONVOLVULUS

Culture: A or B, D or E, Page 40

1900 **Tall Mixed,** all colors. 1 lb., \$1.00; $\frac{1}{4}$ lb., 30c; 1 oz., 15c; pkt., 10c.

1905 **Double Mixed.** The flowers are double and semi-double and some are fringed. Pkt., 10c.

DWARF MORNING GLORY. 1 ft.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1919 **Dwarf Blue.** Beautiful blue flowers on a dwarf bushy plant, a good match for Heavenly Blue. Fine for edging or rockwork. Oz., 25c; pkt., 10c.

1921 **Dwarf Rose.** Exactly like above but a lovely rose color. Oz., 25c; pkt., 10c.

1920 **Mixed,** all colors. oz., 15c; pkt., 10c.

Culture, A or B, D or E, Page 40

Beautiful rapid annual climbers. Foliage very dense and, in some kinds, of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Morning Glory flowers when picked in the bud and placed in water will open and last quite a while.

Heavenly Blue Morning Glory

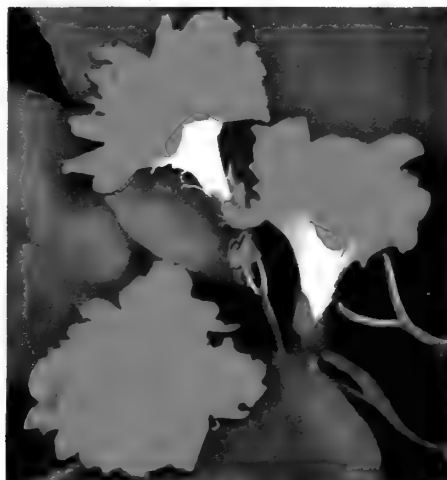
2941 **Clark's Early Flowering.** There are few flowers which have a more universal appeal than the giant sky-blue trumpets of this Morning Glory, and the flowering period ends only when frost kills the plants. Flowers measure $3\frac{1}{2}$ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot, in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed as this may limit flowers. Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 15c.

2942 **Heavenly Blue Improved.** Similar to Heavenly Blue, from which it was developed, this improved strain is in all respects superior to the old. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. It is also much earlier flowering and the flowers remain open to six o'clock in the evening on cloudy days. Pkt., 25c.

2948 **Scarlett O'Hara.** Vaughan's Selected Stock. Vaughan's Re-selected strain is a distinct improvement as it flowers earlier than the original type and has the ability to climb without assistance. A sensational climber, stunning $3\frac{1}{2}$ -in. flowers of a soft velvety scarlet. The bright color is carried well down the throat, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts and the foliage is quite distinct. $\frac{1}{2}$ oz., 60c; oz., \$1.00; pkt., 10c.

1908 **Crimson Rambler.** A Morning Glory of bright ruby red, member of the Convolvulus family, which flowers with all the well-known vigor of its race, and will clamber over an arbor in record time. A lovely companion for the other new climbers. Pkt., 15c.

2935 **Morning Glory Red, White and Blue Mixed.** Pkt., 15c.



2945 IPOMOEA Double Rose Marie Pkt., 15c.

Double Red Moonflower Blossoms in Daylight

2945 **Double Rose Marie.** We are not surprised by Morning Glories which belong to the Moonflower family (Ipomoeas) but a double Morning Glory is something to talk about. It grows well and produces freely its lovely double flowers, which decorate both the garden and the house, as well as furnishing an interesting topic of conversation. Pkt., 15c.

2925 **JAPANESE MORNING GLORIES**

Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. 1 oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c

See also Novelties.



2941 MORNING GLORY. Clark's Early Flowering Heavenly Blue. Pkt., 15c.



2905 WHITE MOONFLOWER. Pkt., 10c.

Night Flowering

IPOMOEA (Moonflower) \square = 20 ft.

2895 **Bona Nox (Evening Glory).** Violet flowers. Pkt., 10c.

2905 **Mexicana Grandiflora Alba (White Moonflower).** Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c.

2910 **Giant Pink.** Soft lilac-pink flowers. Pkt., 10c.



2925 JAPANESE MORNING GLORY Vaughan's Special Mixture. Pkt., 10c.



3560 NASTURTIUM Dwarf Double Gem Mixed. Pkt., 10c.

Ideal for edging beds and window boxes. It produces an evenly balanced range of bright colors. $\frac{1}{4}$ lb., 80c; oz., 30c; pkt., 10c.

Tall, Double, Fragrant Varieties

3727 Caprice. Primrose and salmon-cerise blotched, streaked or mottled in various degrees often changing considerably in different flowers on the same plant. Very large, double flowers. Pkt., 10c.

3733 Fire Gleam. Bright scarlet. oz., 25c; pkt., 10c.

3735 Golden Gleam. The large double, sweet-scented golden yellow flowers on long stems are borne profusely well above the bright green foliage. $\frac{1}{4}$ lb., 50c; oz., 20c; pkt., 10c.

3732 Indian Chief. It has dark foliage and vivid scarlet flowers. The blooms are sweetly scented and freely produced. Pkt., 15c.

3728 Mahogany. Large, double, sweet-scented, dark mahogany-red flowers borne with the greatest freedom well above the foliage of the semi-tall plants. Pkt., 10c.

3737 Orange Gleam. Clear deep orange colored flowers. Oz., 20c; pkt., 10c.

3734 Salmon Gleam. Delicate golden salmon. Oz., 20c; pkt., 10c.

3738 Salmon Cerise. Pkt., 10c.

3736 Scarlet Gleam. The flowers are a fiery orange-scarlet three inches across. The sweet fragrance is pronounced, the double flowers uniform. Oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.

3739 Double Glorious Gleam Hybrids. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. $\frac{1}{4}$ lb., 50c; oz., 20c; pkt., 10c.

3745 Vaughan's Special Mixture of Tall Nasturtiums. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. $\frac{1}{4}$ lb., 45c; 1 oz., 15c; pkt., 10c.



MYOSOTIS Forget-Me-Not.

Fragrant Double Nasturtiums

Culture: A or B, D or E, Page 40

NASTURTIIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants."

Dwarf, Double, Bushy Varieties

3540 Delightful. Most pleasing shade of soft salmon-cerise, the upper petals prettily marked crimson-maroon at the base and as flowers age often take on a deeper shade of salmon-cerise than the lower petals. Flowers are held well above the luxuriant, bright green foliage. Pkt., 15c.

3541 Garnet Gem. Striking color—deep, rich, very bright garnet-red with just enough orange to enliven it with an iridescent glow. Flowers are double or semi-double, with 8 to 10 petals, and grow about 2 $\frac{1}{2}$ in. across. Long stemmed and delightfully sweet scented. Pkt., 25c.

3561 Globe of Fire. Fragrant double flowers of flaming red, contrasting vividly with the dark green leaves, are borne in great abundance upon a compact dwarf plant. Pkt., 15c.

3558 Golden Globe. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 40c; pkt., 10c.

3542 Mahogany Gem. The darkest colored Nasturtium we have ever seen; the velvety, brilliant flowers are rich, deep mahogany. Plants are very compact and dwarf; flowers are large, double and sweet scented. Pkt., 15c.

3543 Orange Glory. The large, sweet-scented flowers are bright orange; the base of each of the upper petals and most of the inside of the throat are painted with deep garnet-brown. Narrow lines of this latter color radiate like a fan over the upper petals, but disappear in an overlay of orange-chrome. Petals are wonderfully fluted and crinkled. Pkt., 15c.

3544 Primrose Gem. The dwarf, compact plants are literally covered with giant double, sweet-scented soft primrose colored flowers. Pkt., 15c.

3545 Ruby Gem. Dwarf, compact, globe-shaped plants literally covered with large double, sweet-scented, bright ruby colored flowers. Pkt., 15c.

3556 Vaughan's Dwarf Double Mixture. Pkt., 15c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums. This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. $\frac{1}{4}$ lb., 45c; 1 oz., 15c; pkt., 10c.



3732 NASTURTIUM Indian Chief. Pkt., 15c.

Myosotis Forget-Me-Not □ 1 ft.

Culture: A, B, or C, Page 40

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting.

3320 Alpestris Blue. Trailing habit. Pkt., 10c.

3321 —Blue Eyes. Bright blue with white eye, large, early. Pkt., 15c.

3328 —Indigo (Sutton's Royal Blue). Pkt., 10c.

3330 —Rosea. Pink. Pkt., 10c.

3345 —Mixed. $\frac{1}{8}$ oz., 25c; pkt., 10c.

The Bouquet type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers.

3351 Indigo Blue Bouquet. Dark blue flowers.

3352 Pink Bouquet. Charming pink shade.

3354 Bouquet Mixed.

Each of the Bouquet varieties, pkt., 15c.

Dwarf Forget-Me-Not

Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

3341 Victoria Indigo Blue.

3342 Victoria Rose.

Each of the above, pkt., 15c.

3356 Vaughan's Early Blue Bird. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

3355 Vaughan's Early and Late-Flowering. The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Pkt., 10c.

3390 *NICOTIANA Affinis*. Pkt., 10c.3393 *NICOTIANA Affinis*
Crimson Bedder. Pkt., 15c.3411 *NIEREMBERGIA Hippomanica*.
Pkt. 25c; Plants, 3 for 85c.

Nicotiana □ 2 ft.

Sweet-Scented Tobacco Plant

Culture: A or B, D or E, Page 40

3390 Affinis. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. $\frac{1}{8}$ oz., 25c; pkt., 10c.

3392 Affinis Hybrids. Splendid hybrids in blue, red and rose shades. $\frac{1}{4}$ oz., 30c; pkt., 10c.

3393—Crimson Bedder. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3391—Crimson Flame. Petunia-like flowers form five pointed red stars, very fragrant. Pkt., 25c.

3404 Orange Blossom (Miniature White). 18 in. An elegant small-flowered pure white species; delightfully scented; even, upright growth. Pkt. 25c.

3395 Sanderae. Branching habit, bearing on light, graceful stems, rosy carmine flowers. Pkt., 10c.

3396 Sanderae Crimson King. Dark velvety crimson-red flowers. Pkt., 10c.

3397 Sanderae Hybrids. $\frac{1}{4}$ oz., 30c; pkt., 10c.

3405 Sylvestris. 4 ft. Pyramidal habit, with long, tubular, pure white flowers, in panicles. Pkt., 10c.

3389 NICANDRA (Shoo Fly Plant). □ 3-4 ft. Showy blue flowers and odd fruits. Pkt., 10c.

Nemophila (Baby Eyes) □ 6 in.

Culture: A or B, D or E, Page 40

Hardest of annuals, and of the easiest culture.

3376 Insignis, Blue. Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c.

3380 Mixed, all colors. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c.

Nolana (Chilean Bellflower) □

Culture: A, Page 40

3387 Blue Ensign. Native Chilean Bellflower. In pots it will grow 12 inches high, outdoors it spreads a little and throws up large ultramarine-blue flowers on stems 5 or 6 inches high. In shape these resemble an Ipomoea, enhanced by the large pure white center. Sow outdoors in May where the plants are to bloom. Fragrant. Pkt., 25c.

ORNAMENTAL GRASSES MIXED — See page 55.

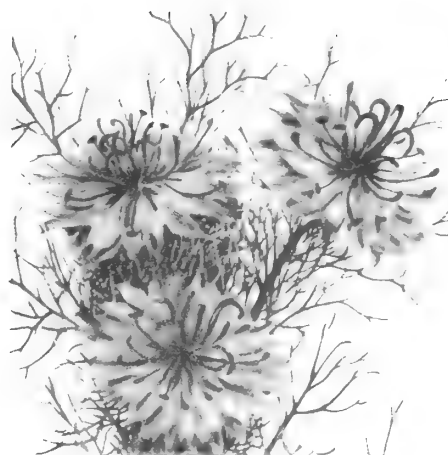
3439 OENOTHERA Lamarckiana (Evening Primrose). Yellow. Pkt., 10c.

3435—Mixed. Pkt., 10c.

Oxalis □

Culture: D or E, Page 40

3444 Cloth of Gold. 1 ft. Deep golden-yellow flowers produced with such freedom in the latter part of the season as to completely hide the bright green foliage. Pkt., 10c.

3420 *NIGELLA Miss Jekyll*. Pkt., 10c.

Nigella (Love-in-the-Mist) □

Culture: A or B, D or E, Page 40

3420 Miss Jekyll Dark Blue. A lovely variety, bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. $\frac{1}{4}$ oz., 15c; pkt., 10c.

3422 Miss Jekyll White. Pkt., 10c.

3415 Mixed. Blue and white. 18 in. Pkt., 10c.

3417 Hispanica Dragon Fly. This is quite distinct from the Miss Jekyll type. The flower is single with thick fleshy petals and sturdy stem. 15 inches in height—branches well. The flowers are rich dark blue. Pkt., 10c.

3926 *PENTSTEMON Sensation Mixed*. 25c.

Nierembergia □

Sheets of Lavender Bloom

Culture: D or E, Page 40

3411 Hippomanica Coerulea. Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge corymbs of salver shaped flowers of a delicate lavender hue, 1 to $1\frac{1}{4}$ inches across. Blooms the entire summer. Pkt., 25c. Plants, 3 for 85c.

3410 Gracilis. 6 in. White flowers, graceful plant for rockwork, etc. Pkt., 10c.

Nemesia □

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The orchid-like flowers range from rose to yellow-orange and blue. It should have an early start in greenhouse or hotbed so it can flower before mid-summer.

3361 Dwarf Aurora. 8 inches. Upper petals are dazzling turkey-red and the lower ones milk-white.

3364 —Brightness. Brilliant cherry red.

3365 —Blue Gem. 7 inches. One of the best blue annuals for bedding.

3362 —Fire King. Bright red. **3363 —Orange King.**

3367 —White Queen. 9 in. Large flowered.

Each of the above, pkt., 15c; 3 pkts. for 35c.

Large Flowered

3369 Blue. **3368 Scarlet.**

3372 Orange. **3374 White.**

3373 Rose. Each of above, pkt., 15c; 3 pkt. for 35c.

3360 Large Flowered Mixed. 1 ft. Is the finest strain for size and richness and variety of colors. Pkt., 15c.

3359 NEMESIA Triumph Hybrids. A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt., 15c

Pentstemon

Culture: D or E, Page 40

3926 Sensation Mixture. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.

3928 Sensation Pink Shades. Pkt., 25c.

3927 —Red. Pkt., 25c. **3929 —Violet.** Pkt., 25c.

3931 Miniature Hybrids. 2 $\frac{1}{2}$ ft. A strain bearing long graceful spikes of miniature flowers, similar to Gloxinoids, but with a wider color-range. Early, keeps well when cut. Pkt., 25c.

See Perennial Pages for other varieties.

Vaughan's New Giant Pansies

Culture: A, B or C, Page 40

Pansies have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety Maple Leaf. Leaflet on culture will be supplied if asked for when ordering seed.

3794 Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). It is quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. $\frac{1}{8}$ oz., \$1.50; Pkt., 50c

GIANT SWISS VARIETIES

- 3892 Swiss Alpenglow.** Rich wine-red shades. Pkt., 25c.
3896 Swiss Berna. Dark violet blue. Pkt., 25c.
3891A Swiss Black Monarch. Black. Pkt., 25c.
3891 Swiss Blue (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 25c.



3894 Vaughan's Super Swiss Giant Mixture. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{8}$ oz., \$3.50; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{16}$ oz., \$1.15. Pkt., 35c

SPECIAL MIXTURES

3861 Early Flowering Giant Mixed

Ice Pansy. Flowers three weeks earlier than others, affording an excellent companion for the early bulbs. Includes a good color range of twelve distinct tones. $\frac{1}{8}$ oz., 50c. Pkt., 10c.

3760 Boulogne Giant Mixture. The flowers are large, of great substance, fine form and are borne on particularly strong stems. Pkt., 50c.

3840 Trimardeau Mixture. It has a complete color range, but lacks the newer varieties. Pkt., 10c.

3881 Engelmann's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 50c.

GIANT VARIETIES

- 3750 Adonis.** Blue, white margin. Pkt., 10c.
3756 Azure Blue. Clear light blue. Pkt., 10c.
3859 Beaconsfield. Upper petals almost white, lower rich purple. Pkt., 10c.
3857 Early Flowering Blue Boy. Clear, pure, silvery lilac, robust compact plants. Pkt., 15c.
3779 Emperor William. Dark navy blue. Pkt., 10c.
3862 Fire Beacon. Bright wallflower red with a touch of orange. Pkt., 50c.
3863 Golden Queen. Yellow without blotches. Pkt., 10c.
3785 Mad. Perret. Pink shades. Pkt., 10c.
3822 Prince Henry. Dark blue. Pkt., 10c.
3819 Purple. Rich deep purple. Pkt., 10c.
3864 White with Dark Eye. Very large. Pkt., 10c.
3865 White, Pure. Without blotches. Pkt., 10c.
3866 Yellow with Black Eye. Pkt., 10c.

3875 Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture. $\frac{1}{8}$ oz., \$1.00; 2 pkts. for 25c. Pkt., 15c

Baby Pansies Bloom in 70 days from Seed

3761 Baby Delight. An ideal Pansy for spring blooming. Extremely early flowering, blooming in 70 days from seed. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face," about 1 inch in diameter. Pkt., 20c.

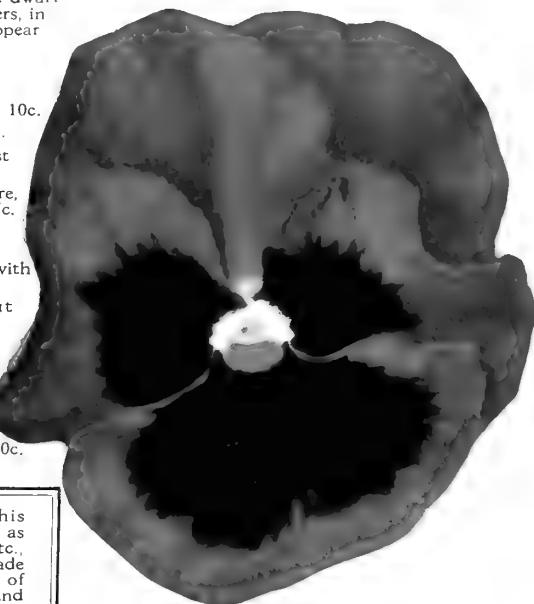
3762 Mrs. A. H. Scott. Another of the "baby group" with flowers of the Beaconsfield color, top petals white, lower ones violet purple. A brilliant combination. Pkt., 20c.



3891 PANSY Swiss Blue (Ullswater). Pkt., 25c.

- 3820 Swiss Coronation Gold.** The largest pure gold self. Pkt., 50c.
3897 Swiss Delft Blue. A delightful tone of translucent blue. Pkt., 25c.
3895 Swiss Luna. Light straw yellow. Pkt., 50c.
3900 Swiss Pure White. Pkt., 50c.
3899 Swiss Pure Yellow. Pkt., 25c.
3893 Swiss Yellow (Rheingold). Rich yellow with blotches on the three lower petals. Pkt., 25c.

3880 Vaughan's International Mixture. A mixture of special strains including Swiss Giants, Maple Leaf Giants and other mixtures. Flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. $\frac{1}{8}$ oz., \$1.10; 3 pkts. for 65c; pkt., 25c



3892 PANSY Swiss Alpenglow. Pkt., 25c.

Large Flowering Petunias

Culture: D or E, Page 40

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Every gardener's desire may be gratified. Petunias make good cut flower material. We supply a leaflet on culture with order.

4065 Giants of California

Mixed. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt. (350 seeds)..... **25c**

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

4037 Balcony Black Prince. Dark crimson, rich and velvety.

4036 Balcony Cornflower Blue (Blue Wonder). Rich blue.

4030 Balcony Queen. Rich, velvety violet with white star.

4034 Balcony Red.

4041 Balcony Rose.

4040 Balcony Rosy Morn. Rose with white throat.

4035 Balcony White.

4038 Balcony Coppery Rose.

A beautiful warm color.

Each of the above, pkt., 25c; any three for 65c.

4042 Balcony Mixed. $\frac{3}{8}$ oz., 60c; pkt., 25c.

Large Single Flowering 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

4051 Dwarf Pink Glory. Pure flame-rose pink. One of best bright pinks. Pkt., 35c.

4058 Elk's Pride. Velvety black-purple, best of all dark blues. Pkt., 25c.

4048 Queen of the Market. The color is a deep carmine red with a scarlet overtone. The blooms are $3\frac{1}{2}$ in., fine shape and slightly waved. The best red. Pkt., 35c.

4052 Silver Edge Purple Robe. A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Pkt., 50c.

4055 Snow Storm. Glistening white, shadowing yellow in the throat. An improvement on White Cloud. 4 to 5 in. flowers. Pkt., 35c.

4043 Velvet Ball. A compact, procumbent variety of deep velvety crimson like the variety Flaming Velvet. The flowers are much larger than those of other compact varieties. Pkt., 35c.

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

4063 Camilla. A beautiful, ruffled rose-pink, with rich crimson veining. Pkt., 50c.

4071 Copper Rose. Enormous flowers with a dark throat, deeply veined. Pkt., 25c.

4070 Empress. Lilac blue with purple veins. 25c.

4090 Prince of Wurtemberg. Darkest. Pkt., 25c.

4075 White. Yellow throat. Pkt., 25c.

Large Single Fringed Flowering

4061 Coerulea. 18 in. Fringed delicate blue, veined with dark blue. Pkt., 50c.

4044 Gaiety. Bright rose and white, petals wavy and fringed. Bushy plants 8 to 12 inches, covered with large flowers. Pkt., 25c.

4053 Lace Veil. 12 in. Large pure white flowers with fringed petals, many waved. Pkt., 25c.

4047 Purple Beauty. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. Pkt., 50c.

4077 Salmon Beauty. True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c.

4078 Setting Sun. Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4062 Theodosia. 20 in. Fringed rosy pink with a clearly defined golden center. Pkt., 35c.

4059 White Beauty. Fringed pure white. Pkt., 25c.



4066 Dwarf California Giant Mixed. Pkt., 50c.

4066 Dwarf California Giants Mixed.

The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt., 250 seeds, 50c; 500 seeds, 90c.



4055 Snow Storm. Large Flowered White. Pkt., 35c.

Double Flowering

3935 Vaughan's Special Mixture of Double

Petunias. This is a mixture of the best large flowering and fringed double Petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 60 to 80 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt. (200 seeds), 50c.

3953 Double Rosy Morn. Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a Gardenia in shape. About 50% double. Pkt. (250 seeds), 50c.

3955 Double Small Flowered Mixed. The flowers of this strain are small but they are produced in greater profusion. Pkt. (300 seeds), 25c.

See Novelties for the "Alldouble" Petunias.



At Top: 4078 Setting Sun. Pkt., 35c.
Middle: 4048 Queen of the Market. Pkt., 35c.
Bottom: 4037 Balcony Black Prince. Pkt., 25c.
One pkt., each of 3 varieties illustrated, 85c.

4100 Vaughan's Best Mixture Large Flowering Single. Includes Giant, Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt. (300 seeds)..... **25c**

4076 Fluffy Ruffles Mixed. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue. Pkt..... **35c**



4017 **PETUNIA** Celestial Rose. Pkt., 25c.



4001 **PETUNIA** Heavenly Blue Re-selected. Pkt., 25c.



4005 **PETUNIA** Improved Rosy Morn. Pkt., 15c.



3975 **PETUNIA** Howard's Star Improved. Pkt., 10c.

Small Flowering Petunias

Culture: A or B, D or E, Page 40

Single Dwarf Small Flowering Petunias 12 to 15 in.

3997 **Alderman**. Beautiful dark violet. Pkt., 15c.

4017 **Celestial Rose**. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.

3999 **Cockatoo**. Velvety deep violet-purple with irregular sized white spots and stars. Pkt., 25c.

4002 **Crimson**. Pkt., 10c.

3976 **Dwarf Howard's Star**. Bushy plants with white flowers are marked with rays of red purple. Pkt., 15c.

4001 **Heavenly Blue Re-Selected**. A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4005 **Improved Rosy Morn.** An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. $\frac{1}{8}$ oz., 50c; pkt., 15c.

4079 **Martha Washington**. 9 in. Blush pink deepening to dark violet throat, ruffled flowers. Pkt., 25c.

4018 **Rose of Heaven**. Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. $\frac{1}{4}$ oz., 60c; $\frac{1}{8}$ oz., 35c; pkt., 10c.

4023 **Salmon Supreme**. 12 in. Distinct light salmon color. Flowers 1 $\frac{1}{2}$ in., white throat, Pkt., 25c.

4019 **Senator**. Purple with white throat. Pkt., 15c.

4020 **Snowball**. Pure satiny white. $\frac{1}{8}$ oz., 35c; pkt., 10c.

4021 **Twinkles**. Masses of small brilliant rose flowers with well-defined pure white star. Free blooming. Pkt., 20c.

3990 **Violet Queen (Improved Blue Bird)**. Rich violet, compact and dwarf, best strain. Pkt., 25c.

4025 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. $\frac{1}{4}$ oz., 85c; $\frac{1}{8}$ oz., 50c; pkt., 25c.

See Novelty Pages.

Single Small Flowering Petunias 18 to 24 in.

3958 **Alba**. Pure white. Pkt., 10c.

3959 **Blue Bee**. The color of Viola Jersey Gem. Pkt., 10c.

4006 **Flaming Velvet**. A rich velvety crimson, best of its color in this class. $\frac{1}{8}$ oz., 60c; pkt., 15c.

3972 **Hollywood Star**. The blossoms are of unique shape, the petals being pointed and forming a five pointed star. The color is a lovely deep rose, with yellow throat, making a pleasing combination. Plants are bushy, and habit has been much improved since its introduction last year. It is early and free flowering. Pkt., 25c.

3975 **Howard's Star Improved**. Crimson-maroon with a clearly defined star of blushing white. Pkt., 10c.

3971 **Norma**. Blue with white star. Pkt., 10c.

4099 **Improved Rose King**. Large rosy flowers are freely borne on plants of loose habit. Pkt., 20c.

3986 **Topaz Rose**. A fiery velvety rose, topaz throat. Pkt., 25c.

3978 **Vaughan's Special Mixture Small Flowering With Hollywood Star**. Pkt., 25c.

3995 **Finest Mixed**. $\frac{1}{8}$ oz., 25c; pkt., 10c.



4025 **PETUNIA** Vaughan's Dwarf Small Flowering Mixed. Pkt., 25c.

Miniature 6 in.

A new strain of dwarf compact miniature Petunias

4024 **Pink and White Gem**. Rose-pink starred white.

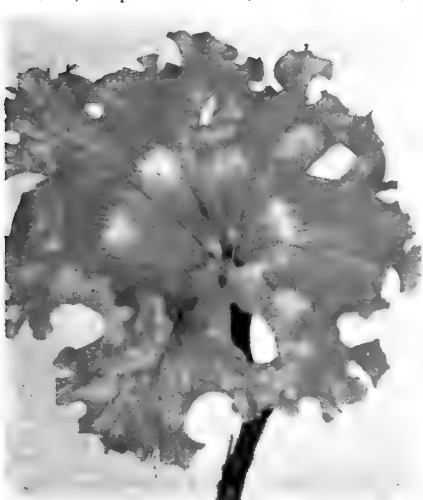
4028 **Royal Gem**. Deep rosy crimson-carmine with white throat.

4029 **White Gem**. Pure white.

4026 **Gem Mixed**.

See also Novelties.

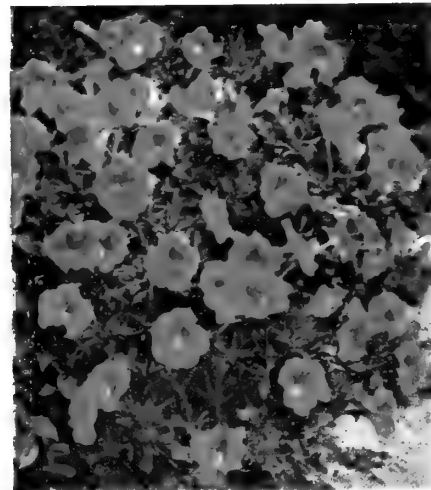
Each of the above, pkt., 15c.



4077 **PETUNIA** Salmon Beauty. (Giant Flowered) Pkt., 25c. See Page 64.



3990 **PETUNIA** Violet Queen. Pkt., 25c.
4018 **PETUNIA** Rose of Heaven. Pkt., 10c.



4006 **PETUNIA** Flaming Velvet. Pkt., 15c.
Best of Its Color Class.



4220 PHLOX Vaughan's Special Mixture. Pkt., 15c.

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE.

Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., \$2.40; ¼ oz., 70c; ⅛ oz., 45c; pkt., 15c.

Phlox Nana Compacta Dwarf

These make symmetrical bushes, covered with flowers during the whole summer and fall. 8 in.

- 4182 **Apricot.** Yellow.
 4182A **Cinnabarina.** Brilliant red.
 4187 **Delicata.** Soft salmon pink.
 4183 **Fireball.** Blood-red.
 4192 **Isabellina.** Buff yellow.
 4201 **Mirabilis.** Salmon-pink with white eye.
 4200 **Salmon Pink.**
 4195 **Sky-Blue with White Eye.**
 4189 **Snowball.** Pure white.
 4203 **Violet.**
 4204 **Violet, White Eye.**

Each of the above, pkt., 15c; any 2 pkts. for 25c.

- 4205 **Nana Compacta Mixed.** All colors. ⅛ oz., 50c; pkt., 10c.

See also Novelties.



4430 PORTULACA Single Mixed. Pkt., 10c.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 40

PLANT a bed of these gorgeous annuals this year. If your favorite colors are the delicate shades, buy the Gigantea Art Shades; if you want a brilliant kaleidoscopic display, plant our Vaughan's Special Mixture. It has a complete color range of the delicate and brilliant shades. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. 12 inch.

HARDY PHLOX—See Perennial Pages.

Giant Flowered Phlox**4103 Gigantea Art Shades.**

A new strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. ⅛ oz., 35c; ¼ oz., 60c; pkt., 15c. (See also Novelties)

Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

- 4113 **Brilliant.** Rose with dark eye.
 4140 **Buff Yellow.**
 4114 **Cinnabarina.** Brilliant red.
 4120 **Chamois Rose.**
 4137 **Dark Blue.** True blue.
 4125 **Fiery Scarlet.**
 4126 **Flaming Velvet.** Rich deep reddish purple.
 4127 **Flaming Velvet, White Eye.**
 4115 **Flesh Color.**
 4155 **Pink.**
 4105 **Pure White.**
 4150 **Scarlet with White Eye.**
 4160 **Violet with White Eye.**

- 4107 **White with Dark Eye.**

Each of the above, pkt., 10c; 3 pkts., 25c.

- 4165 **Splendid Mixture.** Oz., \$2.00; ¼ oz., 60c; pkt., 10c.
 4175 **Cuspidata or Star Mixed.** Quaint and unusual flower formation. ¼ oz., 60c; pkt., 10c.

Passiflora**3910 Coerulea Grandiflora (Passion Flower).**

Slender but strong grower. Flowers 2½ to 3½ inches across, slightly fragrant, greenish white; the corona is blue at the tip, white in the middle and purple at the base. Pkt., 10c.



4175 PHLOX STAR. Mixed. Pkt., 10c.

Vaughan's Beauty

This is the finest large flowering dwarf Phlox in existence. It forms round compact bushes of about 6 to 8 inches in height, which are covered with its large flowers generally with centers of contrasting colors. The regular and uniform growth of all colors, its grand display of the shades, and the large size of the flowers place this far above all the other dwarf sorts.

- 4211 **Alba,** white. 4212 **Chamois.**
 4213 **Coccinea,** scarlet.
 4214 **Coerulea Stellata,** blue with eye.
 4215 **Delicate.** 4210 **Mixed.**
 Each of above, pkt., 15c; any 3 pkts., 40c.

4515 PYRETHRUM Aureum Golden Feather.

☐ 6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.

4530 RHODANTHE ☐ 12 in. Manglesi Rose (Everlasting). Bright rose. Pkt., 10c.

- 4540 **—White and Pink Mixed.** Pkt., 10c.

Portulaca for Hot, Dry Places

Moss Rose ☐

Culture: A, D, Page 40

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow in May, when the ground is thoroughly warmed. Easily transplanted.

Large Flowering Single

- 4400 **White.** 4410 **Pink.**
 4405 **Yellow.** 4420 **Scarlet.**

Each of the above, ¼ oz., 30c; pkt., 10c; any 3 pkts., 25c.

- 4425 **Giant Parana.** The flowers are fully twice as large as others; of dazzling reddish-purple. ¼ oz., 30c; pkt., 10c.

- 4430 **Single Mixed.** 1 oz., \$1.00; ¼ oz., 35c; pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

- 4435 **White.** 4441 **Salmon.**
 4438 **Yellow.** 4443 **Scarlet.**
 4440 **Pink.**

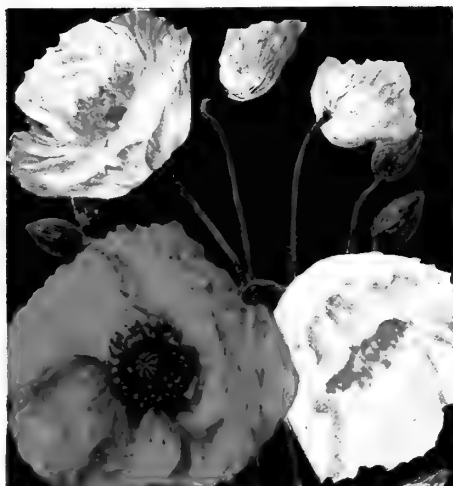
Each of the above, ½ oz., 50c; pkt., 15c.

- 4445 **Scarlet Glow.** Exceedingly brilliant orange scarlet large flowering variety. Pkt., 25c.

- 4455 **Double Best Mixture.** 1 oz., \$2.50; ¼ oz., 75c; ⅛ oz., 50c; pkt., 15c.



4455 PORTULACA. Double Best Mixed. 15c.



4370 **POPPY Shirley** Vaughan's Special Mixture. Pkt., 10c.

Giant Poppies

Culture: A, Page 40

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart.

Double Annual Poppies

GIANT PEONY-FLOWERED (Plain Petals)

- 4325 Pure White. 4338 Cardinal Red.
4330 Pale Yellow. 4345 Salmon.
4335 Pink.

Each of the above, pkt., 10c; any 3 pkts. for 25c.

4380 **Peony-Flowered Mixture.** Double ball-shaped flowers with plain edges of gigantic size. $\frac{1}{2}$ oz., 20c; pkt., 10c.

4357 **Barr's Tall Salmon Irresistible.** 2½ feet. Large double fringed flowers measuring 5 inches across, ranging from brilliant rose to salmon rose with large white center, very beautiful. Pkt., 15c.

4375 **Carnation-Flowered Mixture.** Large flowers with fringed petals many striped. $\frac{1}{2}$ oz., 20c; pkt., 10c.

4390 **Vaughan's Special Mixture Double Poppies.** This includes all the double sorts, and will produce charming flowers in an endless variety of colors. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

4277 **American Legion.** A dazzling orange-scarlet of enormous size. $\frac{1}{4}$ oz., 25c; pkt., 10c.

4278 **Blue Shirley.** 20 in. Various blue shades. Pkt., 10c.

4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.

4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades. Pkt., 10c.

4368 **Double Shirley Ryburgh Hybrids.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4295 **Eldorado Salmon Shades.** 2 ft. Pkt., 10c.

4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. Pkt., 10c.

4281 **White Shirley.** White flowers are very popular, they neutralize the effect of the brighter colors in a garden. Pkt., 10c.

4370 **Vaughan's Special Mixture of Shirley Poppies.** 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

4310 **Vaughan's Special Mixture Double and Single Poppies.** Comprises all the double and single Poppies described, but also a number of new sorts purchased for this mixture. 1 lb., \$4.00; $\frac{1}{4}$ lb., \$1.25; 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

Single Annual Poppies

4245 **Flanders Poppy.** 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with *Centaurea Cyanus* Blue Boy. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

4255 **King Edward.** 36 in. Flowers deep scarlet shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.

4270 **Tulip (Glaucum).** 20 in. Large Tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.

4305 **Vaughan's Special Mixture Single Poppies.** This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.



4683 **SALVIA Farinacea** Blue Bedder (in Background). Pkt., 35c.

5770 **VINCA** White (in Foreground). Pkt., 10c.

Phacelia □ 8 in.

Culture: A, B, D or E. Page 40

4101 **Campanularia.** Sow where they are to grow. Dwarf plants bearing terminal racemes of gentian-blue flowers with conspicuous white anthers. $\frac{1}{8}$ oz., 25c; pkt., 10c.

4102 **Tanacetifolia.** (Fiddle Neck). 2 ft. Attractive light blue flowers, tansy leaved. $\frac{1}{4}$ oz., 25c; pkt., 10c.



4101 **PHACELIA** Campanularia. Pkt., 10c.



4640 **SALVIA SPLENDENS** America. Pkt., 25c.

Salvias

Culture: D or E, A or B, Page 40

The brilliant scarlet *Salvia Splendens*, so highly valued in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender *Salvia Farinacea* Blue Bedder is increasingly popular in summer borders, and Blue Beard is an excellent border foreground subject.

Splendens Type

4640 **America, or Globe of Fire.** 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. $\frac{1}{8}$ oz., 75c; pkt., 25c.

4655 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. $\frac{1}{8}$ oz., 60c; pkt., 15c.

4650 **Fireball.** 1½ ft. The bushy plant is covered with flower spikes of fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

4653 **Fire Charm.** Very dwarf early red. Pkt., 25c.

4665 **Indian Purple.** This is a true purple-violet. See page 9 for colored illustration. Pkt., 15c.

4675 **Mixed.** All red varieties. Pkt., 10c.

Other Salvias

Culture: A or B, D or E, Page 40

4679 **Blue Beard.** Grows 1 ft. high. Its blue-purple heads produce a fine effect in beds and borders and are prized for cutting. Pkt., 10c.

4680 **Coccinea.** 2 ft. Comes quickly enough to grow from seed, and in the position where it is to bloom. This is of more slender growth than *Splendens*, of a red that suggests coral. Pkt., 10c.

4683 **Farinacea Blue Bedder.** 2½-3 ft. An improved selection of the lovely blue *Farinacea*, sturdier in growth, with a deeper blue coloring. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink *Petunias*. Pkt., 35c.

4681 **Oxford Blue.** 12 to 18 in. A pure Oxford blue found nowhere else. Height depends on fertility of soil. Requires a sunny exposure. Pkt., 10c.

See also Novelty and Perennial Pages.

Ricinus (Castor Bean) □

Culture: A or B, D or E, Page 40

Giant, strong growing plants, with ornamental foliage
4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.

4545 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black 1 oz., 20c; pkt., 10c.

4546 **Crimson Spire.** The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple gradually changing to bronzy green, with red stems, stalks and seed spikes. Oz., 50c; pkt., 10c.

4570 **Mixed.** Many sorts. 1 oz., 15c; pkt., 10c.

4565 **Zanzibar Enormis.** 1 oz., 25c; pkt., 10c.

4560 **Zanzibar Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz., 20c; pkt., 10c.



4737 VAUGHAN'S Mixture of Super Scabiosa. Pkt., 25c.

Scabiosa (Mourning Bride)

Culture: A or B, D or E, Page 40

One of the most important annuals for cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion.

COCKADE TYPE

Has conical form with attractive depth of flower.

- 4703 Blue Cockade. Pure deep azure.
- 4704 Rose Cockade. Bright rosy lilac.
- 4706 Royal Cockade. Salvia blue.
- 4707 White Cockade. A dazzling white.
- 4708 Monarch Mixed. All the above.

Each of above, pkt., 20c; 3 pkts. for 50c.

DOUBLE LARGE FLOWERING SPECIAL STRAIN

- 4731 Blue Moon. Rich lavender blue.
- 4715 Azure Fairy. Azure blue.
- 4727 Loveliness. Salmon rose shades.
- 4736 Orchid Shades.
- 4729 Peachblossom. Peachblossom pink.
- 4732 Rosette. Deep rose suffused salmon.
- 4734 Salmon Beauty. Pure salmon.
- 4728 Shasta Improved. Enormous white.

Each of above, pkt., 15c; 3 pkts. for 40c.

- 4737 Vaughan's Mixture of Super Scabiosa. The above and other charming varieties. Pkt., 25c.

DOUBLE LARGE FLOWERING—Cont. STANDARD DOUBLE VARIETIES

- 4725 Black Prince. Black purple.
- 4720 Cherry Red. Crimson.
- 4742 Coral Rose. Rich pink.
- 4700 Golden Yellow. Sulphur yellow.
- 4710 Fiery Scarlet.
- 4735 Pompadour. Black purple, white tips.
- 4730 Rose. Bright rose.

Each of above, pkt., 10c; 3 pkts. for 25c.

- 4743 Dwarf Double Mixed. 1 1/2 ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. 1/8 oz., 25c; pkt., 10c.

See also Perennial Pages.

4740 SCABIOSA Vaughan's Special Mixture. Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. 1/4 oz., 25c; pkt. 10c

Salpiglossis (Painted Tongue)

Culture: A or B, Page 40

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower. Sow in the full sun in fairly rich soil as early as possible, and preferably in the place where it is to grow, to avoid transplanting. Do not overwater, but keep on the dry side. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

- 4611 Blue and Gold. 4595 Faust. Black.
- 4590 Bright Crimson. 4610 Golden Yellow.
- 4591 Brown and Gold. 4598 Purple.
- 4592 Chamois. 4599 Purple and Gold.

- 4601 Rose Crimson and Gold. Definitely a new color in Salpiglossis of English origin. The rich colored blooms are half again as large as the ordinary type.

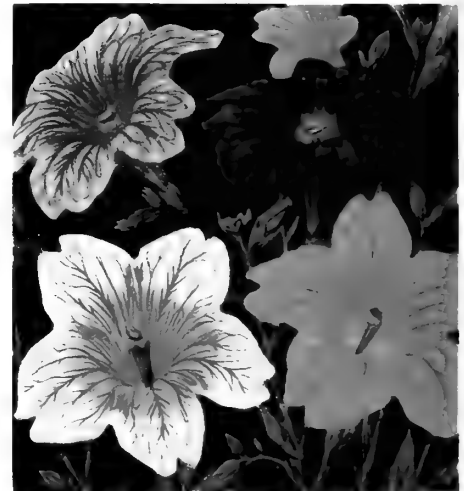
- 4600 Rose and Gold. 4605 Velvety Violet.
- 4613 Scarlet and Gold. 4616 White and Gold.
- 4614 Velvety Red. 4617 Violet and Gold.

Each of the above, pkt., 10c; any 3 pkts., for 25c.

- 4625 Emperor Mixed. Large improved strain. Complete range of colors. 1/8 oz., 25c; pkt., 10c.

- 4615 Gloxiniaflora Mixed. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. 1/4 oz., 25c; pkt., 15c.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.



4581 RUDBECKIA Annual Indian Maid. Pkt., 25c.

Rudbeckia

Culture: A or B, D or E, Page 40

- 4581 Indian Maid. 4 in. flowers, pronounced crown, rich brown center and golden tips. Some few semi-double or double rows of petals. Sown March 1, bloomed in 3 1/2 months. Like spokes of wheel without rim. The brown in petals is a little over half way out on petals. Vigorous habit. Excellent for cutting. 30 in. Pkt., 25c.

- 8465 Herbstwald Autumn Tints. 2 ft. A perennial which blooms the first year from seed sown in March, furnishes starflowers of fiery autumn coloring called "Gerberas of the North." Pkt., 25c.

- 8467 Double Kelvedon Star. A double and semi-double form of Kelvedon Star. The lively shades golden yellow and mahogany are very attractive. Pkt., 20c.

- 4582 My Joy. Giant Black-eyed Susans. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 15c.

Saponaria (Soapwort)

Culture: A or B, D or E, Page 40

- 4693 Vaccaria Alba. White.
- 4691 —Rose. 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.
- 4692 —Mixed. Each of the above, pkt., 10c.



4757 SCHIZANTHUS Vaughan's Excelsior Hybrids. Pkt., 25c.

Schizanthus

Butterfly Flower or Poorman's Orchid

Culture: A or B, D or E, Page 40

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors.

- 4754 Pansy Flowered (Danbury Park strain). Large blooms of Pansy shape, in rich pink, crimson, mauve, purple and white. Pkt., 35c.

- 4755 Dr. Badger's Hybrids. An extraordinary strain in many beautiful colors. Pkt., 25c.

- 4759 Retusus Rosamunde. Large flowers of upright growth, which make good cut flower material. Delicately rose-spotted. Pkt., 10c.

- 4762 Retusus Mixed. Pkt., 10c.

- 4757 Vaughan's Excelsior Hybrids. A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt., 25c.

10 Best Early Spencer Sweet Peas for 75c.

Collection No. 5600. One Packet each of varieties illustrated (catalog value \$1.00), prepaid for 75c.

Varieties at left of illustration, top to bottom, are: Daphne, Mrs. Herbert Hoover, Redwood, Jeanne Mamitsch, Sequoia; at right, top to bottom, Laddie Improved, Ball Orange, Champion, Elk's Purple, Lavender Harmony.

Culture: D or E, Page 40

A RACE of Sweet Peas, having the large waved flowers of the Spencer type but flowering fully one month earlier, and for a much longer period. This class is recommended for all sections where spring is late, as they give flowers before the summer heat arrives. ★Varieties preceded by star are fragrant.

Any of following, oz., 50c; pkt., 10c; any three 10-cent pkts., 25c.

- | | |
|---|--|
| 5343 American Beauty. Crimson-rose on white. | 5501 Oriental. Deep cream, black seeded. |
| 5345 ★Amethyst. Royal purple. | 5505 Pride. Pure, deep cerise, long stems. |
| 5346 Apollo. Soft salmon cerise. | 5506 Peeress. Rose cerise. |
| 5353 Bacchus. Rich red maroon. | 5522 Redwood. Bright rich crimson. |
| 5349 Ball Orange Improved. | 5529 Sequoia. Rich golden salmon-cerise. |
| 5354 ★Blue Bird. Violet-blue. | 5528 Shirley Temple. Soft rose-pink. |
| 5350 Blue Boy. Clear blue. | 5539 Snow Queen. Black seeded white. |
| 5352 Boon. Deep salmon-pink. | 5540 ★Snowstorm Improved. Large pure white. |
| 5347 Bridesmaid. Silvery pink. | 5531 Sterling. Duplexed salmon rose. |
| 5348 Burpee's White. | 5527 Success. Rose-pink on white. |
| 5359 Cinderella. Silver blue. | 5532 Sunproof Orange. Bright scarlet orange. |
| 5358 Colleen. Brilliant rose suffused with gold. | 5548 Tahoe. Large wavy flowers, chicory blue. |
| 5369 Delicious. Crushed strawberry color. | 5550 Top Hat. Deep purple blue. |
| 5367 Daphne. Soft salmon-pink on cream ground. | 5551 Tatania. Deep rose self on white ground. |
| 5399 Eileen. Begonia rose with salmon shading. | 5552 Triumph. Lovely soft lilac mauve. |
| 5403 Elk's Purple. Purple. | 5553 Treasure Island. A sparkling golden orange. |
| 5411 ★Fragrance. Large frilled lavender. | 5555 Valencia. Bright orange, sunproof. |
| 5416 ★Giant Rose. Extremely large rose-pink. | 5556 Vivian Zvolanek. Deep rose. |
| 5430 Grenadier. Dazzling crimson scarlet. | 5557 ★Vogue. Rosy lavender. |
| 5438 ★Harmony. Lavender. | 5558 Vulcan. Vivid scarlet, sunproof. |
| 5466 Jeanne Mamitsch. Striking pink. | 5560 White Champion. Long stemmed, pure white flowers. |
| 5453 Josie. Brilliant rose-pink. | 5561 ★White Harmony. |
| 5470 ★Laddie Improved. Light rose-pink. | Inoculate Sweet Peas with Nitragin. Two garden sizes, 10c and 25c. |
| 5486 Majestic Rose. Deep, brilliant rose-pink. | For PERENNIAL SWEET PEAS— |
| 5487 Memory. Clear rosy lavender. | See Lathyrus Latifolius in Perennial Pages. |
| 5488 Mrs. Calvin Coolidge. Rich salmon-pink. | Surprise Garden. See page 41. |
| 5495 ★Mrs. Herbert Hoover. Clear deep blue. | Sweet William. See page 78. |

5595 Vaughan's Special Mixture, Early Flowering Spencers. All the varieties listed and many others. 4 oz., \$1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

5320 Vaughan's Special Mixture, Late Spencer. Named late flowering Spencer varieties growing wonderful blossoms for a long period $\frac{1}{4}$ lb., 60c; oz., 25c; pkt., 10c.



4828 STRAWBERRY Red Baron Solemacher. Pkt., 25c. Plants, 3 for 85c.

Runnerless Strawberries

4828 Baron Solemacher. This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c; 3 for 65c. Strong plants from seed; 3 for 85c; doz., \$2.50.

4829 Baron Solemacher. Yellow Fruited. A counterpart of the above but golden and of even finer flavor. Pkt., 25c.





4865 STOCKS, Best Mixed. Pkt., 10c.



4795 RUSSIAN STATICE. Pkt., 10c.



5645 TORENIA Fournieri. Pkt., 15c.

Torenia (Wishbone Flower) □

Culture: D or E, A or B, Page 40

In the 1940 drought Torenias were among the comparatively few subjects which grew with vigor and flowered freely through the hottest, driest period in our trials. Grown in Southern states instead of Pansies.

5651 Baillonii. Yellow, brown markings. Pkt., 15c.

5645 Fournieri. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes partial shade. Excellent for rock gardens, pots and hanging baskets. Pkt., 15c.

5650 White Wings. White with rose throat. Pkt., 15c.

New Giant Stocks

Culture: A or B, D or E, Page 40

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early, in the house and transplant outside when all danger of frost is over. Stocks are a cool temperature crop and sometimes disappoint us during the summer months.

Dwarf German—Ten Weeks, 12 in.

4845 Blood Red.	4850 Light Blue.
4835 Canary Yellow.	4841 Rose Pink.
4856 Dark Blue.	4830 White.

Each of the above, pkt., 10c; any 3 pkts. for 25c.

4865 Best Mixed. 1/8 oz., 50c; pkt., 10c.

Column—Non Branching

An excellent new class producing one stem 2 1/2 ft. thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high.

4950 American Beauty. Deep rose.	
4951 Chamois Pink.	4956 Silvery Lilac.
4954 Light Blue.	4957 White.
4955 Ruby.	4958 Mixed.
4953 Moonlight. Light yellow.	

Price, each of the above, pkt., (150 seeds) 25c.

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2 1/2 ft.

4921 Buttercup. Yellow.	4946 Chamois.
4945 Blood Red.	4931 Dark Blue.
4944 Elk's Pride. Royal Purple	
4947 Flesh.	4930 Lilac.
4948 Golden Rose.	4929 Old Rose.
4932 Lavender.	4925 Shasta. White.

Price, each of the above, pkt., 15c.

4949 Bismarck Mixed. 1/8 oz., 50c; pkt., 15c.

Thrift—See Armeria in perennial page.

Statice □

Culture: D or E, Page 40

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and are indispensable in making winter bouquets.

- 4800 Bonduelli Superba. 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.
- 4793 Puberula. 4-6 in. Flowers 5 months after sowing; magnificent dark violet blooms. Pkt., 25c.
- 4795 Russian (Suworowii or Rat Tail). 30 in. Flowers bright rose color. 1/8 oz., 25c; pkt., 10c.
- 4807 Sinuata, Blue Bouquet. Darker shade than the True Blue offered below. Pkt., 10c.
- 4802 —Chamois. Pale violet, yellow center. Pkt., 10c.
- 4801 —Rosea Superba. 3 ft. Pkt., 10c.
- 4806 —New Hybrids. One of our growers has selected Art Shades, which we offer in a mixture for the garden and winter bouquets. Pkt., 15c.
- 4803 —True Blue (Kampf's Improved). Pkt., 15c.
- 4804 —Pure White. 3 ft. Pkt., 10c.
- 4805 —Mixed. 3 ft. Pkt., 10c.

Scarlet Runner Emperor □

Culture: A, D or E, Page 40

4766 Bears edible beans, popular in the north. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. The dry beans are bright scarlet, blotched purple. Pkt., 10c.

Silene □ 1 ft.

Culture: A or B, Page 40

Free flowering annuals, make brilliant early show.

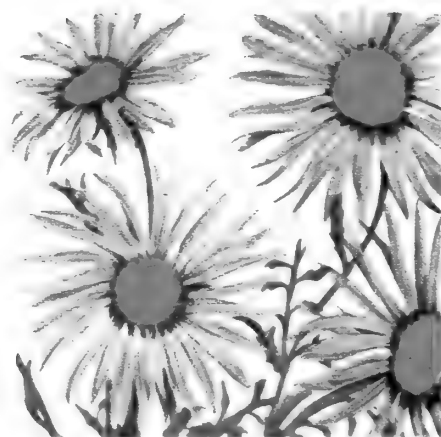
- 4776 Dwarf Double Salmon Rose. Pkt., 15c.
- 4777 Dwarf Double Triumph Crimson. Pkt., 15c.
- 4775 Armeria Mixed. 1/8 oz. (Catchfly) 10c.

Sauvitalia □ 6 in.

Creeping Miniature Zinnia

Culture: A or B, D or E, Page 40

4690 Procumbens. Like tiny Zinnias, golden with purple centers, single and double. The plants creep over the soil. June until frost. 1/8 oz., 25c; pkt., 10c.



5635 TAHOKA Daisy. Pkt., 25c.

Tahoka Daisy □ 20 in.

Culture: A or B, D or E, Page 40

5635 A beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

Thunbergia (Golden Glory Vine)

Culture: D or E, A or B, Page 40 □ 5 ft.

Germination 3-4 Weeks.

5640 Alata, Mixed (Black-Eyed Susan).

A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. 1/4 oz., 30c; pkt., 10c.

5639 Gibsoni. A lovely new graceful climber for covering pillar and trellis work. It has glistening green ivy-shaped foliage and flowers of brilliant glowing orange. Pkt. (15 seeds) 35c.

5638 TEXAS QUEEN ANNE'S LACE

Culture: A or B, Page 40

Large heads of tiny white flowers of lace-like appearance. Resembles Queen Anne's Lace of our roadsides, but more refined. Grows 3 to 5 ft. tall. Nice to mix with other cut flowers. If sown rather thickly, plants will not grow so tall. Pkt. 10c.



5641 TITHONIA Speciosa. Pkt., 25c.

Golden Flower of the Incas

TITHONIA □ 8 ft.

Culture: D or E, Page 40

5641 Speciosa, Early Flowering. The flowers resemble a giant single Zinnia of a vivid orange-scarlet; borne on huge bushes with woody stems and large leaves with velvet bloom. From seed started in March plants in full sun will blossom in late August. Desirable as background in roomy borders. Pkt., 25c.

See Novelties.

Annual Sunflowers

HELIANTHUS Large Flowered ☐

Culture: A or B, D or E, Page 40

- 2700 Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow and others slightly washed with red. Pkt., 10c.
- 2707 Californicus.** 5 ft. Double dark yellow. Pkt., 10c.
- 2709 Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Pkt., 10c.
- 2710 Extra Dwarf Chrysanthemum Flowered Select.** Plants make stout spreading growth and bear many golden-yellow double flowers measuring 4 to 5 inches across. Comes true. Pkt., 15c.
- 2715 Double Mixed.** Pkt., 10c.
- 2725 Russian Mammoth.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. 1 oz., 5c.

Miniature-Flowered

- 2727 Cucumerifolius Orion.** 5 ft. Charming small flowers, rich yellow, black center. Pkt., 10c.
- 2740 —Purpureus.** Red and yellow tones. Pkt., 10c.
- 2755 —Vaughan's Special Mixture.** Includes all the cucumerifolius sorts. Pkt., 10c.

2760 Vaughan's Special Mixture. Of all the single and double Sunflowers we list and several varieties we buy especially for this mixture. $\frac{1}{2}$ oz., 25c; pkt., 10c.

Trachelium ☐ 1 to 3 ft.

Culture: D or E, Page 40

- 5656 Coeruleum.** Large cloud like heads of tiny flowers resembling the Gypsophila produced in the fall from spring-sown seeds. Heliotrope blue in color, borne on branching stems freely, the flowers can be increased by pinching back the stems, making a fine pot plant. Pkt., 25c.

- 5655 TRITOMA Hybrida Mirabilis (Red Hot Poker Plant).** A perennial that blooms the first year. Pkt., 15c.

Ursinia Jewel of the Veldt ☐

Culture: A or B, Page 40

Another lovely flower from South Africa; Daisy-like blooms, 2 in. across, are borne freely throughout the summer.

- 5657 Anethoides.** Rich orange-yellow with a halo of deep purple spotted jet-black, 10 in. Pkt., 15c.

- 5656A Pulchra.** Showy deep orange flowers completely over the plants, 6 in. Neat. Pkt., 20c.

- 5657A Choice New Hybrids Mixed.** Pkt., 25c.



- 5815 VIRGINIA STOCK Mixed.** Pkt., 10c.

Virginia Stock ☐ 6 in.

Culture: D or E, Page 40

- 5815 Mixed.** Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect, very fragrant. Oz., 25c; $\frac{1}{2}$ oz., 15c; pkt., 10c.

Vivid Verbenas ☐

Culture: D or E, A or B—Page 40.

These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st) May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.



5730 VERBENA Vaughan's Best Mixture. Pkt., 15c.

HYBRIDA Gigantea 1 ft.

A magnificent strain of Verbenas, of robust habit, the individual florets measuring an inch in diameter.

- 5701 Gigantea Alba.** Pure white. Very fragrant.
- 5699 —Appleblossom.** Delicate cameo pink.
- 5702 —Cerise Queen.** Salmon cerise.
- 5701A —Etna.** Geranium-red, with a cream eye.
- 5718 —Lavender Glory.** A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.
- 5703 —Lucifer.** Vivid scarlet self.
- 5704 —Luminosa.** Luminous flame-pink to salmon.
- 5709 —Miss Willmott.** Salmon-rose, white eye.
- 5705 —Rose Cardinal.** Rose, white eye.
- 5706 —Rosea Stellata.** Pink, white eye.
- 5719 —Royale.** Royal blue, creamy yellow eye.
- 5710 —Spectrum Red.** Intense bright red.
- 5717 —Sutton's Giant Pink.** Salmon-pink, light eye.
- 5707 —Viola Stella.** Deep violet, white eye.

Each of above, pkt., 15c; any 3 pkts. for 35c.

- 5708 Gigantea Mixed.** A wonderful mixture of large flowering varieties. $\frac{1}{2}$ oz., 40c; pkt., 15c.
- 5711 Beauty of Oxford Hybrids.** A beautiful giant strain. Color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. Florets easily cover a silver half dollar. $\frac{1}{2}$ oz., 50c; pkt., 15c.

- 5712 Floradale Beauty.** Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 15c.

- 5713 Royal Bouquet, Finest Mixed.** Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c.

Venidium ☐

Culture: D or E, Page 40

- 5659 Calendulaceum.** 14 in. A bushy plant with large, orange daisy-like flowers. The fine silver-greyish foliage adds to its beauty. Grows on dry side without fertilizer. Pkt., 15c.

- 5658 Fastuosum.** 2 to 3 ft. Above the greyish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 25c.

- 5658A Fastuosum Hybrids.** 2-3 ft. A new race with a remarkable range of colors, from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals. Germinate and grow more vigorously than original. Pkt., 25c.

- 5730 VERBENA Vaughan's Best Mixture.** Includes all the Hybrid and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. $\frac{1}{2}$ oz., 50c; large pkt., 25c; pkt. 15c

Dwarf Compact Varieties—6 in.

This group is compact in habit, continuous bloomers, adapted for bedding, borders and small gardens.

Blue Sentinel. See Novelties.

- 5732 Chamois.** 5738 Pink.

- 5733 Dark Blue.**

- 5735 Fireball.**

- 5740 White.**

- 5745 Carmine Ball.** Ten inches high and 12 inches across, completely covered with bright carmine flowers.

- 5747 Splendor.** Very compact, scarlet with white eye.

- 5743 Venus.** 10 in. Soft chamois-pink, suffused terra-cotta rose, a beautiful bicolor effect.

- 5742 Violet Bouquet.** Deep violet with cream eye. Each of the above, pkt., 15c; any 3 pkts. for 40c.

5746 VERBENA Vaughan's Special Dwarf Mixture.

A formula mixture of named varieties of compact dwarf varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard and formal plantings. $\frac{1}{2}$ oz., 50c; large pkt., 25c; pkt. 15c

Various Verbenas

Culture: D, E or C, Page 40

- 5755 Erinoides.** 12 in. Moss-like foliage spreads over the ground like a carpet, purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

- 5760 Erinoides Alba.** 12 in. Same as above but with white flower heads. Pkt., 10c.

- 5765 Venosa.** 1 ft. Largely used for bedding; covered with bright rosy Heliotrope flowers. Sow in March in clear sand for quick germination. Blooms until frost, hardy with protection. Pkt., 10c.

- 5766 —Lilacina.** 1 ft. Resembles Venosa, but with blossoms of lavender-blue. Hardy with protection. Pkt., 25c.

(See Novelties.)

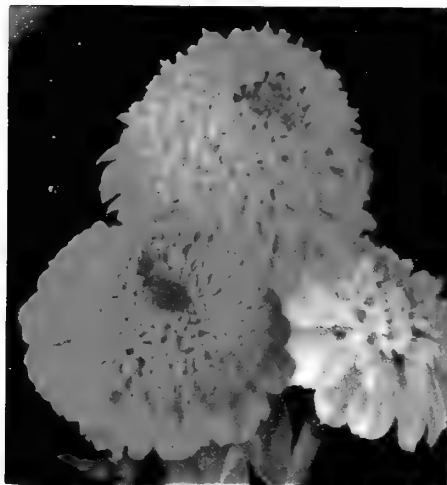
5729 Red, White and Blue Mixture

A mixture of large flowered Verbenas in red, white and blue are carefully blended in equal proportions. The effect is not only patriotic, but artistic. Pkt. 15c



5658A VENIDIUM Fastuosum Hybrids. Pkt., 25c.

Small and Medium Flowered Zinnias



6159 ZINNIA, Scabiosa Flowered Mixed. Pkt., 15c.

New Crested Type

Scabiosa Flowered or Harmony

6159 **Mixed.** 2½ ft. On a single corona of outside petals stands a semi-globular crown with a large number of small florets giving a most interesting effect, similar in form to the flowers of the Scabiosa. Pkt., 15c; 3 pkts., 40c; ¼ oz., 50c.

6160 **Autumn Tints Mixed.** Scabiosa flowered Zinnias make good cut flowers. This strain comes true in all the gorgeous autumn tints, including orange to terra-cotta. Pkt., 15c.

6159A **Campfire.** Vivid intense scarlet. Pkt., 25c.

6160A **Sunburst.** Bright canary yellow. Pkt., 15c.

Quilled Type

6158 **Achievement or Victory Mixed.** The petals are quilled, giving the appearance of a Cactus Dahlia in various shades of tan. Pkt., 15c.

Giant Picotee

6157 **Giant Picotee Mixed.** A distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal tipped with darker shades. Pkt., 15c.



6110 ZINNIA Red Riding Hood. Pkt., 10c.

6110 **Red Riding-Hood.** 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. A customer writes: "Just imagine clumps of little red flowers, with maybe a hundred blooms. They have been in flower all summer through the heat and drought. They make buds as soon as they get started and keep merrily on their way." Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

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THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers. See Back Cover for Vaughan's Midget and others.

Pumila Double 18 in.

"Cut and Come Again"

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well, or excellent plants for large pots and tubs. They are also fine cut flowers.

6080 **Snow Ball.** 6095 **Fire Ball.**

6085 **Golden Ball.** 6097 **Pinkie.** Rose-pink.

6098 **Spun Gold.** A delicate butter-yellow.

6100 **Watermelon Pink.** A very pleasing and charming shade of salmon-rose.

Each of above, ¼ oz., 25c; pkt., 10c; any 3 pkts., 25c.

6105 **Pumila.** Vaughan's Special Mixed. Oz., 75c; ¼ oz., 25c; pkt., 10c.



6105 ZINNIA Pumila Double Mixed. Pkt., 10c.

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6052 **Bright Pink.** 6064 **Purple.**

6061 **Crimson Gem.** 6065 **Salmon Rose Gem.**

6062 **Golden Gem.** 6066 **Scarlet Gem.**

6063 **Orange Gem.** 6067 **White Gem.**

6068 **Rose Bud.** Rose-pink.

6069 **Valencia.** A real deep burnt orange.

Each of the above, ¼ oz., 30c; pkt., 10c.

6075 **Lilliput Vaughan's Special Mixed.** All above and others. Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

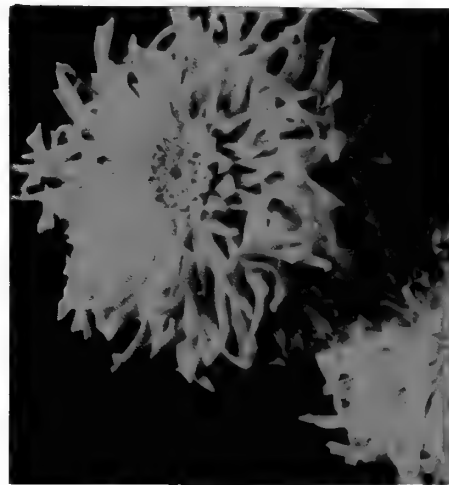
6070 **Lilliput Pastel Mixture.** 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

6120 **Mexicana Fl. Pl.** 16 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.

6125 **Mexicana Fl. Pl. Hybrids.** 16 in. Double flowers in various shades of brown and orange. 10c.

6115 **Mexicana or Miniature.** Flowers small and showy. Daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 10c.

6173 **Vaughan's Novelty Mixture.** All the new forms of the Zinnia, such as the Fantasy Navajo, Striped and others. We recommend it to all interested in novelties. Pkt., 25c; 3 pkts., 65c.



5909 ZINNIA Fantasy, Star Dust. Pkt., 25c.

5908 ZINNIA Fantasy, Mixture. Pkt., 15c.

Fantasy Shaggy Type

5909 **Star Dust.** 2½-3 ft. These deep golden-yellow flowers have shaggy, ray-like petals, recalling the Cactus Dahlias. They are of medium size and flower in 45 to 50 days from sowing. Pkt., 25c.

5912 **Orange Lady.** Bright deep orange. Pkt., 15c.

5911 **Rosalie.** Intense rose. Pkt., 15c.

5913 **White Light.** Pure white. Pkt., 15c.

5914 **Wildfire.** Rich dazzling scarlet. Pkt., 25c.

5908 **Mixed.** A bright colorful mixture of shaggy petaled double flowers. Pkt., 15c; ¼ oz., 50c.

Cupid Type. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6020 **Tiny Tim.** Scarlet. 6021 **Pixie.** Yellow.

6022 **Snowdrop.** Pure clear white; good mixer.

Each of the above, pkt., 15c; 3 pkts. for 40c.

6025 **Cupid Mixed.** ⅓ oz., 35c; pkt., 10c.

5890 **Halo.** Neat well-rounded bushes, producing a wealth of dainty single blooms which are bright mahogany red, edged golden-yellow. Pkt., 20c.



6127 ZINNIA Linearis. Pkt., 15c.

6127 **Linearis.** 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed, the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.

Collection of Six Packets Giant Zinnias for 50c.

6 PACKETS, CATALOG VALUE 90c. All Dahlia flowered. One each of Crimson Monarch, Dream, Polar Bear, Illumination, Old Gold and Eldorado prepaid.

50c

Giant Dahlia Flowered Zinnias 2 to 3 ft.

Culture: A or B, D or E,
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The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

- 6131 Canary Bird.** A delicate shade of primrose.
6133 Crimson Monarch. Rich crimson, largest and best of red shades.
6133A Crown O'Gold Mixed. Each petal is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The color range comprises old rose, cream, yellow, carmine and burnished red.
6131A —Desert Gold. The bicolor effect of deep golden-yellow at the base of each petal, contrasted with light or deeper gold at the tip.
6134 Dream. A fine, deep lavender, turning to purple (Mallow Purple).
6134A Eldorado. Rose on deep salmon.
6135 Exquisite. Color light rose with center a deep rose (Tyrian Rose).
6135A Giant Attraction. Brick red.
6137 Golden Dawn. This beautiful shade of golden-yellow with red center.
6136 Golden State. A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.
6130 Illumination. Similar to Exquisite, but a striking self-color of deep rose.
6128 Lemon Beauty. Lemon yellow turning to russet.
6130A Luminosa. Bright deep pink.
6142 Meteor. A rich glowing deep red, darkest of all red shades.
6129 Old Gold. Glowing burnished deep and lighter shades of old gold.
6129A Old Rose. Real old rose shade.
6138 Oriole. An immense orange and gold bicolor.
6144 Pastel Shades. Some prefer soft pastel tints of salmon, lavender, cream and white.
6139 Polar Bear. A very large pure white, the best white.
6139A Purple Prince. Deep purple.
6140 Scarlet Flame. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

Each of above, 1/4 oz., 50c; any four pkts., 50c; pkt., . . . 15c

California Giant Zinnias 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful.

- 6161 Brightness.** A bright, deep rose.
6164 Cerise Queen. Beautiful cerise rose.
6161A Daffodil. Bright canary yellow, so resembling Narcissus King Alfred in color, the name Daffodil is most appropriate.
6150 FRAGRANT ZINNIA Lemon Queen. Pkt., 15c
6162 Enchantress. Giant flowers of light rose pink, early.
6146 Grenadier. A very dark red.
6147 Lavender Gem. A good clear lavender.
6168 Isabellina. A beautiful cream-yellow.
6150 Lemon Queen. The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance and of exceptional size.
6163 Miss Willmott. Soft pink.
6151 Orange King. Rich, deep orange.
6167 Pink Profusion. Delicate shrimp pink.
6153 Purity. A clean pure white.
6166 Rose Queen. Warm, deep rose, outstanding
6154 Salmon Queen. Salmon rose.
6165 Scarlet Queen. Glowing scarlet.
6149 Violet Queen. Deep purple.
 Each of the above, pkt., 15c; any 4 pkts., for 50c.
6156 California Giants Vaughan's Special Mixed. Oz., \$1.50; 1/4 oz., 50c; pkt., 15c.
6169 All Type Mixed. Pkt., 25.
 See Back Cover for Vaughan's Midget Mixed, Fiesta, Fantasy, Lilliput Black Ruby, David Burpee and Navajo Mixed.

6170 Vaughan's Special Mixture of all Giant sorts including the cream of the Dahlia Flowered; Colossal, California Giants and Picotee mixed. Producing a mass of color. Oz., \$1.50; 1/4 oz., 50c; pkt., 25c

OLD ROSE



6145 Giant Dahlia Flowered, Gold Medal Mixed. All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this. Oz., \$1.50; 1/4 oz., 50c; pkt., 15c.

Colossal or Giant 3 ft.

- | | |
|-----------------------------------|---------------------------|
| 5926 Blood Red. | 5975 Orange. |
| 5937 Bright Rose. | 5960 Pink Shades. |
| 5976 Burnt Orange. | 5943 Rose Queen. |
| 5935 Buttercup. | 5990 Royal Purple. |
| 5930 Cream or Isabel-lina. | 5944 Salmon Rose. |
| 5977 Crimson. | 5980 Scarlet. |
| 5965 Golden Yellow. | 5985 Violet. |
| 5978 Lavender. | 5925 White. |

Each of the above, pkt., 10c; any 3 pkts. for 25c.
6015 Vaughan's Colossal Zinnias, Mixed. Oz \$1.00; 1/4 oz., 50c; pkt., 10c.



6015 ZINNIA Vaughan's Colossal Mixed. Pkt., 10c.

Free Flowering Violas

Culture: A or B, Page 40

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.



- 5813 VIOLA Vaughan's Special Mixed. 25c.
 5806 VIOLA White Perfection. Pkt., 10c.
 5790 VIOLA Blue Perfection. Pkt., 10c.
 5804 VIOLA Chantreyland. Pkt., 25c.
 5810 VIOLA Primrose Perfection. Pkt., 25c.

CORNUTA HYBRIDS (Large Flowers)

- 5786 Apricot. Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.
 5787 Arkwright Ruby. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
 5788 Black Prince. 8 in. Velvety black. Pkt., 10c.
 5789 Blue Butterfly. Vivid mid-blue shading to white in the upper petals. Pkt., 25c.
 5798 Lutea Splendens. 8 in. Bright yellow. 10c.
 See Novelties.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt. 25c

See Complete Index, Pages 111 and 112, to Find Items Quickly.



5852 XERANTHEMUM Superbissima. Pkt., 20c.

CORNUTA TYPE

- 5785 Admiration. Violet-blue. Pkt., 10c.
 5789A Blue Beauty. Bright blue. Pkt., 25c.
 5790 Blue Perfection. Light blue. Pkt., 10c.
 5804 Chantreyland. Apricot, very free flowering. Pkt., 25c.
 5791 Golden Orange. Rich shade. Pkt., 15c.
 5793 G. Wermig. Resembles large violet. Pkt., 25c.
 5794 G. Wermig, White. Pkt., 25c.
 5809 Ilona. Wine red. Pkt., 25c.
 5796 Jersey Gem. Flowers of rich pure violet, large and fragrant, flowering persistently all summer. Pkt., 25c.
 5799 Mauve Queen. Violet-mauve. Pkt., 10c.
 5800 Papilio Blue and White. Flowers soft lavender-purple, lower petals flushed white. Pkt., 10c.
 5810 Primrose Perfection. Beautiful shade of primrose, fine form. Pkt., 25c.
 5802 Puck. Upper petals purple-velvet, lower clear yellow. Pkt., 15c.
 5806 White Perfection. Finest white. Pkt., 10c.
 5795 Nosegay. A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

- 5807 W. H. Woodgate. In habit the plant is compact and the color is of intense violet-purple, bluest of all. Comes true from seed. Pkt., 25c.
 5814 Cornuta Small Flowered Type, Mixed. 1/2 oz., 35c; pkt., 10c.

Miscellaneous Violas

- 5797 Johnny-Jump-Up or Viola Tricolor. The plants are easily raised from seed, come into bloom very quickly, and their little pansy faces of purple, blue and yellow are delightful. Perfectly hardy and will reseed itself. Pkt., 25c.
 5792 Gracilis—Lord Nelson. 6 in. Glowing violet purple. Pkt., 25c.

Wild Cucumber

Culture: A or B, D or E, Page 40

- 5847 Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. If sown along a wire fence the vines will soon cover it and the dainty white flowers will make it a lovely sight for a long time. 1 oz., 25c; 1/2 oz., 15c; pkt., 10c.

Xeranthemum (Everlasting)

2 ft.

Culture: D or E, Page 40

- 5849 Double Mixed. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.
 5852 Superbissima. One of the loveliest of the everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered Xeranthemum may also be used as a cut flower when fresh. It makes delightful arrangements in small bowls. Pkt., 20c.

- 6175 ZEA Japonica Quadricolor Perfecta (Rainbow Corn). Striped and colored foliage small ears, dark colors. Pkt., 10c.

Covering for Graves.

If seeds are used, the most satisfactory is Ageratum Blue Cap in center, edged with Alyssum Little Gem. Or, Portulaca, in center, either in separate colors or mixed, edged as above with Alyssum Little Gem. All of these will do well with very little care or attention and are particularly good in sunny locations.



5775 VINCA ROSEA Mixed. Pkt., 10c.

Vinca Rosea (Periwinkle)

Culture: D or E, Page 40

Ornamental free-blooming plants, with dark Laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom for the winter. 1 ft. Each of the above, 1/2 oz., 25c; pkt., 10c; 3 pkts. for 25c.

- 5770 White. 5772 White with Eye.
 5771 Delicata. Soft pink. 5773 Pink.
 5774 Kermesina. Bright red, dark green leaves with red stems.
 5775 Mixed. 1/2 oz., 25c; pkt., 10c.

Viscaria

Culture: D or E, Page 40

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

- 5776 Blue Bouquet. 1 ft. Large blue. Pkt., 10c.
 5782 Blue Pearl. This is a distinct variety, differing from all other blue Viscarias, and entirely without an "eye." It is a pure lavender blue, the flowers borne in abundance. Pkt., 10c.
 5777 Cardinalis. 1 ft. Bright carmine. Pkt., 10c.
 5780 Rose Beauty. 18 in. Tall for its family, it bears flowers of deep rose with fringed and laciniated petals, on long, strong stems. Pkt., 15c.
 5778 Mixed. 1 ft. 1/4 oz., 25c; pkt., 10c.
 5784 Dwarf Fiery Red. Dwarf bushes not over 8 inches in height, covered with bright red flowers during the season. Pkt., 15c.
 5779 Dwarf Mixed. 8 in. Pkt., 10c.

Wallflower (Goldlack) ÷ 18 in.

Culture: D or E, Page 40

Wallflowers excel in adaptability for pot culture and out-door bedding and their fragrance and oriental coloring, rich reds and yellows. In the Northern states they should be wintered in coldframes.

- 5820 Single Mixed. Pkt., 10c.
 5825 —Annual Blood-Red. Pkt., 10c.
 5824 —Goliath. Shining red with a velvety black sheen. Pkt., 10c.
 5830 —Annual Golden Gem. Pkt., 10c.
 5835 —Annual Mixed. Pkt., 10c.
 5840 Double Mixed. Pkt., 15c.
 5832 Annual Double. A fine pot plant, will bloom first year from seed, if sown early. Pkt., 15c.

- 5845 WHITLAVIA Gloxinoides Blue (California Canterbury Bells). Pkt., 10c.

ANNUALS FOR FRAGRANCE

Alyssum	Mignonette	Petunia
Candytuft	Nasturtium (Gleam)	Scabiosa
Carnation		Stocks
Heliotrope	Nicotiana	Sweet Pea
	Wallflower	

Perennial Flower Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 81 to 87 Inclusive, and 113 to 116 Inclusive.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted on page 81 or else they will be sent express at buyer's expense.

Dainty Columbines

Culture: B, C, D or E, Page 40

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock-garden, tall varieties for the border and for cutting. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil.

7151 Dobbie's Imperial Hybrids. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7150 Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7119X Alpina. Powder blue. 2 ft. April-July. Pkt., 15c.

7119A Buergeriana. 1 ft. Charming delicate yellow, tinted purple. Pkt., 25c.

7121 California Hybrids. 3 ft. Long spurred, dark carmine-lake. Pkt., 20c.

7120 Canadensis (American Columbine). 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Pkt., 10c

7125 Chrysantha. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 —Silver Queen. 3 ft. Long spurred silvery white flowers. Pkt., 25c.

7131 Clematiflora Choice Mixed. A hybrid of the Scott Elliott Strain practically spurless. It has up to 15 flowers at the same time. Pkt. (60 seeds), 50c.

7140 Coerulea (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 —Mrs. Nicholls. This is a glorified Rocky Mountain Columbine with larger flowers, long spurs, and strong habit. Pkt., 50c.

7145 —Rosea (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c.

7142 Colorado Rainbow Hybrids. Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow, all in the native Columbine. Pkt., 25c.

7148 Flabellata Nana Alba. A charming dwarf variety for the rock garden; perfect foliage and ivory-white flowers, plant 8 to 10 inches high. Pkt., 25c.

7143 Longissima. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt. (50 seeds), 50c.

Longissima Hybrids. See Novelty Pages.

7158 Long-Spurred Blue. Splendid selection from light to dark blue. Pkt., 35c.

7159 Long-Spurred Orange and Scarlet. Many unusual tones. Pkt., 35c.

7156 Long-Spurred Crimson Star.—See Page 6.

7157 Long-Spurred Copper Queen. Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is buff. The guard petals are unusually broad, and the flowers gracefully poised. Pkt., 50c.

7165 Skinneri (Mexican Columbine). 2 to 3 ft. June-August. Scarlet and yellow. Pkt., 15c.

7190 Aquilegia Vaughan's Special Mixture.

Includes all the varieties mentioned and new varieties not offered elsewhere and will furnish a complete collection including the Long-Spurred, and the Non-Spurred types, the tall and dwarf sorts. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.



7073X Anchusa Myosotidiflora. 1 ft. April-May.

A lovely perennial which blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-me-not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt. (50 seeds), 35c. Plants, 3 for 85c; doz., \$2.50.

Anchusa (African Forget-Me-Not) ① □

Culture: B, D or E, Page 40

Stately and handsome perennials belonging to Forget-me-not family. They do best in a deep, well drained soil, not too damp or heavy and in a sunny position. All Anchusas are excellent bee plants.

7066 Affinis. 40 in. Beauty lies in its gracious curves; uncurling racemes set with white-centered stars of imperial violet. Sown early it will flower the first year. Pkt., 15c.

7067 Avalon Hybrids. Gracefully irregular with crosier-sprays of mellow cream, soft primrose, palest blue, azure, indigo, rose, pink, even carmine, in re-starring. Scarcely two flowers alike. Blooms from seed the first year. Pkt., 20c.

7065 Barrelieri. 2½ ft. Dwarf bushy habit, small deep blue flowers very early in spring. Pkt., 25c.

7070 Italica, Dropmore Variety. 5 ft. June-July. Gentian-blue flowers. Thrives best in partial shade. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7069 —Lissadell. 6 ft. Large, gentian-blue. 25c.

7072 —Opal. 3-5 ft. Light blue. Pkt., 15c.

7071 —Felton Pride. Bright blue, free flowering and compact. Pkt., 25c.

7068 Morning Glory. 5 ft. Clear blue, a little lighter than Lissadell but quite similar, coming quite true. Buds appear a rosy-mauve but turn to clear blue as they open. Pkt., 20c.

Seed Germinates Slowly and Irregularly

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Adonis Vernalis, Anemone, Clematis, Delphinium Cardinale, Delphinium Zallii, Delphinium Nudicaule, Dictamnus, Dielytra, Gentiana Acaulis, Incarvillea, Iris, Peony, Phlox Decussata, Hardy Primulas, Trollius.



7190 AQUILEGIA. Vaughan's Special Mixture. Pkt., 25c.

Alyssum (Madwort) ①

Culture: B, D or E, Page 40

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054X Argenteum. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055X Saxatile Compactum (Basket of Gold). 9 in. Almost as soon as winter is over Alyssum Saxatile Compactum becomes a mass of yellow gold; a fine companion to spring bulb flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7056X —Compactum Sulphureum. Pale lemon-colored flowers. Pkt., 15c.

7058 Rostratum. 20 inches. Flowers deep yellow in dense heads. Pkt., 25c.

7059X Serpyllifolium (Thyme leaved). 3-4 in. Gray leaves, pale yellow flowers, excellent for dry, sunny positions. Pkt., 15c.



7055 ALYSSUM Saxatile Compactum. Pkt., 10c. Plants, 3 for 85c.



7270 **CAMPANULA** *Calycanthema* (Cup and Saucer) Mixed. Pkt., 10c. Plants, 3 for 85c.

Canterbury Bells

The Canterbury Bells are biennials, that is from seed sown one year, the plants will bloom the following year and the plant then dies. To keep up a yearly display they should be sown annually.

CUP AND SAUCER

7270 *Calycanthema* Mixed. 2 ft. June-Aug.

7275 —White. Plants, 3 for 85c; doz., \$2.50.

7280 —Pink. Plants, 3 for 85c; doz., \$2.50.

7285 —Blue. Plants, 3 for 85c; doz., \$2.50.

7284 —Lilac.

Each of above, pkt., 10c.

CANTERBURY BELLS

7325 Double Pink. 7330 Double Mixed.

7315 Double White. 7320 Double Blue.

7300 Single Blue. Plants, 3 for 85c; doz., \$2.50.

7301 Single Lilac. Pkt., 15c.

7305 Single Pink. Plants, 3 for 85c; doz., \$2.50.

7295 Single White. June. Plants, 3 for 85c; doz., \$2.50.

7310 Single Mixed Colors. Plants, 3 for 65c doz., \$2.00.

Each of the above, except where noted, pkt., 10c.

Perennial Campanulas

Seed sown one year, plants will bloom the next and for several years following, increasing in size each year.

7259 *Alliariaefolia*. 2½ ft. From a dense tuft of leaves at the ground the stems rise 2 to 3 ft. high; bear many creamy white flowers. Pkt., 25c.

7260 × *Carpatica* (Harebell) Blue. 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging. Likes partial shade. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7265 × —Alba. 9 in. July. Pure white. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7258 × *Collina*. 8 in. Upright, compact, bushy habit, in May and June thickly covered with intense Campanula blue pendent flowers. Excellent for edging and rockery. Pkt., 25c.

7334 × *Fragilis*, The Basket Campanula (Blue Star of Bethlehem). Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. If sown early blooms the first year. Half hardy. 25c.

7331 × *Garganica*. Beautiful star-shaped sky blue flowers fairly cover the trailing plants, excellent for rock gardens. Pkt., 15c.

7333 *Glomerata Superba* (Clustered Bellflower). Beautiful dark violet flowers borne in clusters. A splendid variety for full sun or partial shade. June-July. 20 in. Pkt., 25c.

7335 *Lactiflora Coerulea*. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7338 *Latifolia Macrantha*. 3 ft. Erect stems, large bells, violet-blue. Pkt., 15c.

7344 *Persicifolia* (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7345 —Alba. White. Pkt., 25c.



7260 **CAMPANULA** *Carpatica*. Pkt., 10c. Plants, 3 for 85c.

Campanulas

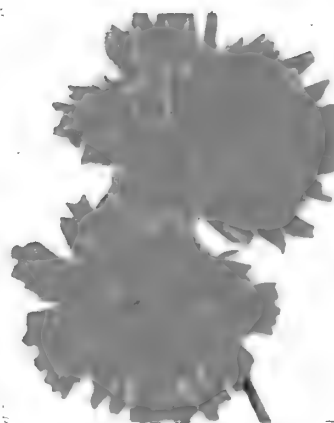
Culture: B, D or E Page 40

This brilliant family includes the biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

7350 *Persicifolia*, Mixed. Blue and white. Pkt., 25c.

7346 —*Telham Beauty*. 4 ft. It produces on long stems very large globular open flowers of a lovely china-blue with silvery shading. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7351 —*Coerulea Plena*. Double blue peach bells. Height, 30 in. Pkt., 35c.



7496 **COREOPSIS** Double. Pkt., 15c. Plants, 3 for \$1.00.

Coreopsis ①

Culture: B, D or E, Page 40

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer.

7497 *Diadem* (*Grandiflora Auriculata Superba*). 2 ft. July-August. Single 3-in. flowers of deep yellow, with a maroon blotch. Pkt., 15c.

7495 *Lanceolata Grandiflora*. 2 ft. June-October. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. ¼ oz., 25c; pkt., 10c. Plants, 3 for 65c; doz., \$2.00.

7496 —Double Flowering (*Grandiflora Fl. Pl. Special Selection*). A well fixed double and semi-double strain of the above, vigorous and free flowering. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.50.

7494 *Mayfield Giants*. Australian origin. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.

Double Sunburst. See Novelty Pages.



7310 **CAMPANULA** (Canterbury Bells) Single Mixed. Pkt., 10c. Plants, 3 for 65c.

7352 —*Persicifolia Alba Plena*. Double white. Pkt., 35c.

See Novelty Pages for Other Campanulas.

7340 × *Pusilla*. Light blue bells, very free blooming. 4 in. July. Pkt., 25c.

7355 *Pyramidalis* (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c.

7365 —Mixed. Pkt., 10c.

7366 × *Rotundifolia* (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Blooms generously in July and again in fall. Pkt., 15c.

7371 —*Olympica*. 12 in. A fine alpine from the Olympian Mountains. Blooms freely summer and fall. The light blue bells and grass-like leaves grow from a creeping root. Pkt., 35c.

7370 **Vaughan's Special Mixture of Campanulas**. A grand assortment of all varieties. Fine for cut flowers. ½ oz. 50c; pkt., 25c.

Dicentra (Dielytra) ①

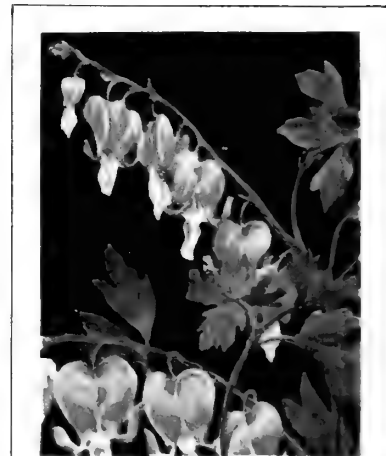
(Bleeding Heart or Seal Flower)

Culture: B or C, Page 40

Best sown in fall; needs freezing to germinate.

7718 *Eximia* (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Pkt., 25c.

7719 *Spectabilis*. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. Pkt., 35c. Plants, 3 for \$1.25; doz., \$4.00



7719 **DICENTRA** *Spectabilis*. Pkt., 35c. Plants, 3 for \$1.25.

For Other Perennials, Seed and Plants, See Novelty Pages, 5 to 12; Pages 81 to 88 in General List, and Pages 113 to 116 for Plant Specialties.

Hardy Delphiniums ①

Culture: B, D or E, Page 40

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding. With hybrids, plants established several years produce the best flowers. If the bloom is cut down to the ground, a second flowering spike is produced.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut Delphiniums two or three days.

Taller Species and Hybrids

- 7549 Belladonna. Blue Grotto.** Deep blue, bee royal purple with cream center. Pkt., 15c.
- 7550 —Improved Cliveden Beauty.** 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7552 Bellamosum Improved.** Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c. Plants, 3 for 85c.
- 7564 Blackmore and Langdon Strain.** All the clear shades of blue, with bees of contrasting colors. Pkt., 50c.
- 7547 Cardinale.** "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.
- Chinese.** See page 57.
- 7568 Double Selecta.** New hybrids producing 90% extra double flowers of large size and excellent color variation. Seed germinates very slowly. Pkt., 50c.
- 7555 Indigo (True Blue).** 3 ft. Pure indigo-blue, comes true from seed. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.
- 7542 Lamartine.** It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost. The flowers are a rich, deep blue with a pure white eye. We have seen flower spikes of these gorgeous flowers over two feet in length. Perfectly hardy, easy to grow and succeeds everywhere. Seeds, pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
- 7555A Nudicaule.** 1-1½ ft. April-July Dwarf brilliant scarlet flowers. Seed very slow of germination. Pkt., 25c.
- 7555B —Lemon Gem.** Clear yellow self. Pkt., 25c.
- Pacific Hybrids.** See Novelty page in color.

- 7569 Wrexham Hollyhock-Flowered Strain, Mixed.** Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, 1½ to 2 inches in diameter, many double.
- 7569D Wrexham Art Shades.** Includes many pastel shades.
- 7569A —Deep Blue Shades.**
- 7569B —Light Blue Shades.**
- 7569C —Mid-Blue Shades.**
- Each of above, pkt., 50c.

- 7570 Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c.

- 7571 DELPHINIUM Vaughan's Special Mixture.** This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.



7569 DELPHINIUM Wrexham Hollyhock-Flowered Strain, Mixed. Pkt., 50c.



7775 DIGITALIS Vaughan's Special Mixture. Pkt., 15c. Plants, 3 for 85c.

Foxgloves (Digitalis)

Culture: B, D or E, Page 40

These are biennials and should be sown every year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Their tall spikes of brilliant color are among the border's most conspicuous ornaments.

- 7751 Canariensis.** Canary yellow. Pkt., 25c.
- 7730 Gloxiniaeflora White.** Flowers shaped and spotted like gloxinias. 2-4 ft. June-July. Pkt., 10c.
- 7735 —Pink.** 10c. Plants, 3 for 85c; doz., \$2.50.
- 7740 —Purple.** Pkt., 10c.
- 7736 —Isabellina.** 5 ft. A very striking variety, producing yellow flowers which gradually develop a chamois or buff shade. Pkt., 25c.
- 7745 —Mixed Colors.** Pkt., 10c.
- 7760 Monstrosa Mixed.** Long spikes surmounted by one enormous flower. Pkt., 10c.
- 7768 The Shirley Hybrids.** 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7750 Grandiflora or Ambigua.** 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.
- 7769 Lutzii Hybrida.** 4 ft. The spikes are strong and heavily laden with salmon-rose bells. One of the best new Foxgloves. Pkt., 20c.
- 7775 Vaughan's Special Mixture of Digitalis.** The above, and other colors. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.



Dictamnus (Gas Plant) ①

Culture: B or C, Page 40

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

- 7720 Fraxinella.** 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
- 7725 —Albus.** 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

PERENNIAL SEED MIXTURES

Mixtures of perennial seeds similar to our popular surprise garden of annuals.

- 8600 Dwarf.** 6 to 15 in. **8601 Medium.** 18 to 36 in. **8602 Tall Sorts Mixed.** 3 ft. and upwards. Each of above, per pkt., 25c; three pkts. for 65c.



7625 **DIANTHUS** Plumarius Vaughan's Special Mixed. Pkt., 25c. Plants, 3 for 65c.

Hardy Pinks (*Dianthus*)

Culture: B, D or E, Page 40

In the rockery and in the border the *Dianthus* family is of value. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation.

7576×Allwoodi Alpinus. 6 in. Flower first year from seed. It has single and semi-double flowers in all *Dianthus* colors. Is a perfect gem for the rock garden. Pkt., 50c. Plants, 3 for 85c; doz., \$2.50.

7575 Allwoodi Mixed. The flowers are about 75 percent double and all colors except yellow. The single flowers have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt. (50 seeds), 25c.

7579×Arenarius (Sand Pink). 6 in. Flowers white, fringed, fragrant, forming a dense carpet. Pkt., 25c.

7578×Atrococcineus (Everblooming Sweet William) Cruentus. 15-18 in. Crimson, semi to full double flowers. Pkt., 10c.

7580×Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7580A Delight. 9 in. It has a neat, erect habit of growth, continuously in flower from June until October, producing flowers about an inch in diameter, not in trusses, but in alternating spikes in great profusion. There is a bewildering range of colors from the palest pink to purple. Pkt., 35c.

7582×Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c.

7588—Major Stern. A free-flowering form with bright crimson flowers and dark foliage. Pkt., 35c.

7583×Graniticus. 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Pkt., 25c.

7581 Knappii. A yellow "Hardy Pink," unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c.

7631 Loveliness. The flowers have large lacinated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt. (25 seeds), 25c.

7589 Neglectus Rose Cushion. From a little cushion of grey-green foliage in late May the flowers appear as if by magic. The color is pure pink, the flower about ¾ in. across and the plant about 3 to 4 in. tall. Pkt., 50c.

7587 Best Rock Garden Varieties, Mixed. Rock gardens now so popular need the low growing *Dianthus* to brighten spots and fill in crevices with its attractive flowers. Pkt., 25c.

7592 Winteri. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

CLOVE OR GRASS PINKS (*Plumarius*)

Plumarius is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7591×Albus Plenus. Double white. Pkt., 25c.

7590×Cyclops Red Hybrids (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7620×Double Mixed. Fine for cutting. Pkt., 10c.

CLOVE OR GRASS PINKS—Continued.

7585 Highland Hybrids. Tall, strong stemmed pinks in very varied colors, beautifully marked and zoned. Pkt., 35c.

7595 Little Jock Hybrids. 6-8 in. Compact plants produce a multitude of fringed flowers, an inch across, in pink, rose and white, 50 percent double. Pkt., 35c.

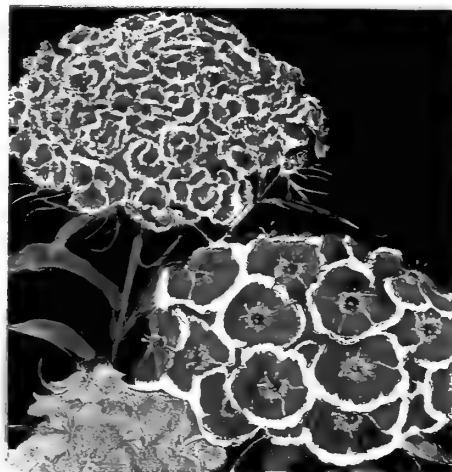
7605×Nanus Fl. Pl. 1 ft. Double dwarf mixed. 15c.

7632 Scoticus Double Special Strain. Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. Stems 12 to 15 inches. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609×Spring Beauty. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615×Single Mixed. Delicately fringed. Pkt., 10c.

7625×Vaughan's Special Mixture. A grand selection of *Clove Pinks* of the above *Plumarius* type and others. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



7715 **SWEET WILLIAM** Vaughan's Special Mixture. Pkt., 25c. Plants, 3 for 65c.

Dianthus Barbatius ①

Single Sweet William

Culture: B, D or E, Page 40

Among the early hardy plants, they are outstanding. They appreciate rich soil. To be sure of large plants and flowers sow new seed each year. 18-24 inches. May-June.

7665 Albus. White. 10c.

7670 Atro-sanguineus. Blood-red. Pkt., 10c.

7640 Copper Red. A new and rich color. Pkt., 15c.

7645 Diadematus. Crimson, white eye. Pkt., 10c.

7646 Giant White. Large white flowers. Pkt., 15c.

Homeland. See Novelty Pages.

7655 Nigrescens. Dark foliage and flower. Pkt., 10c.

7660 Newport Pink. Salmon-pink. Pkt., 10c.

7661 Purple Beauty. Bright deep purple. Pkt., 10c.

7635 Scarlet Beauty. Vivid orange or salmon scarlet. Pkt., 15c.

7676 Turkey Red. Pkt., 10c.

7685 Single Giant-Flowered Mixed. Pkt., 10c.

7717 Madam Butterfly. A rare Sweet William which blooms from seed the first year. They are especially interesting as they are so unusual. Their silken fringed petals are white and pink. Pkt., 25c; 3 pkts. for 65c.

Double Varieties

Seedlings of all double Sweet William produce about ½% of single blooming plants

7690 White. **7703 Nigrescens (Black).**

7695 Rose. **7698 Salmon Rose.**

7700 Blood-Red. **7705 Mixed.**

Each of above, pkt., 10c.

7710 Double Giant-Flowered Mixed. Pkt., 15c.

7711 Double Dwarf Mixed. Pkt., 15c.

7715 Vaughan's Special Mixture, Sweet William.

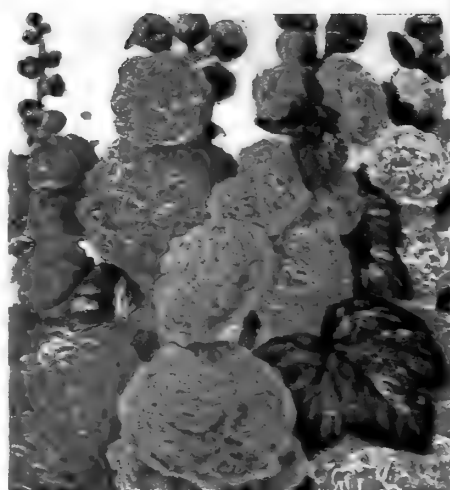
Of Double and Single Varieties.

A mixture of all listed and others. Pkt., 25c.

Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

Superb Mixture of New Colors, and Midget

Single Mixed. See Novelty Pages.



8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., 10c. Plants, 3 for 85c.

Hollyhocks

Culture: B, D or E, Page 40

Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following Delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location.

Double Varieties

8000 Blood-Red.	7980 Rose.
7971 Colorado Sunset.	7990 Salmon.
7995 Crimson.	7970 White.
7975 Maroon.	7992 Yellow.

8004 Lilac Beauty. A clear bright lilac color.

8005 Newport Pink. The finest pure pink. Each of above, pkt., 10c.

8008 Begonia Flowered Imperator, Mixed. Flowers with broad collar of frilled and fringed petals and double center rosette. Mixture containing many interesting, attractive combinations of colors. Pkt., 25c.

8015 Vaughan's Prize Double Mixture. Finest shades in perfect flowers. Pkt., 10c; ¼ oz., 40c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8010 Allegheny Mixed. Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. Pkt., 10c.

8016 Vaughan's Special Mixture. This mixture is composed of all the best double varieties as well as two new French strains, not offered before. A most interesting combination. Pkt., 25c.

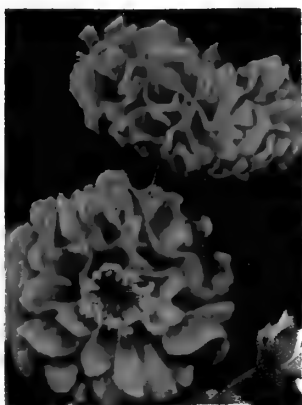
See Novelty Pages for Hollyhocks: Double Orange Prince, Begonia Flowered Pastel Shades, Double Mixed Souvenir de Mme. Perrin. See Annual Pages for Indian Spring and Everblooming.



7943 **HEUCHERA** New Hybrids. Pkt., 25c. Plants, 3 for \$1.00. See Page 79.



7812 **GAILLARDIA** Burgundy. Pkt., 25c. Plants, 3 for 85c.



7855 **GEUM** Mrs. Bradshaw. Pkt., 25c. Plants, 3 for 85c.



7930 **HESPERIS** Purpurea. Sweet Rocket. Pkt., 10c.



8090 **IRIS** Kaempferi. Pkt., 25c.

Gaillardias

Culture: B, D or E, Page 40

For cheerful long lasting garden color, Gaillardias are indispensable. Groupings of them here and there in front of shrubs will provide splashes of color for weeks and weeks. A rich light soil is essential and they require a sunny situation to do well.

7810 Grandiflora, Mixed. Composite flowers variegated with shades of red and yellow. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7813 —Bremen. 2 ft. Splendid coppery scarlet, yellow tips. Blooms all summer. Pkt., 15c.

7812 —Burgundy. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7811 —Dazzler. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —Goblin. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7815 —Maxima Aurea. Very large golden yellow flowers with large red eye. Pkt., 15c.

7836 —Portola Hybrids. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7831 —Tangerine. Compact grower. Large tangerine orange-colored flowers. Pkt., 25c.

7818 —The King. Special strain with enormous flowers, deep red, edged gold. Pkt., 25c.

7816 —Torchtlight. 2 to 2½ ft. Compact habit, flowers golden yellow with maroon center. Pkt., 25c.

7835 —New Hybrids. Large flowers in a variety of colors. Pkt., 25c. Plants, 3 for 85c.

Sun God. It has neat, upright growth, with fine grey-green foliage. The stems are two feet or more, topped with magnificent chamois-yellow flowers 2 to 3 inches in diameter. Plants, 3 for \$1.50; doz., \$5.00.

Geum

Culture: B or C, D or E, Page 40

Geums are showy, producing a wealth of attractive flowers much prized for cutting. Excellent for border.

7851 × Borisii. An evergreen species with foliage rather prostrate and the branching flower stems 8 to 12 in. long. Orange scarlet flowers. Pkt., 25c.

7850 Coccineum Atrosanguineum Plenum. 1½ ft. May-July. Double, bright scarlet. Pkt., 15c.

7852 Lady Stratheden (Golden Ball). Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.

7855 Mrs. Bradshaw. 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7853 Orange Queen. Flowers large and semi-double, of a beautiful orange-scarlet. Pkt., 30c.

Heuchera (Coralbells)

Culture: B, D or E, Page 40

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Beautiful both in border and in rockery. See Novelty Pages.

7940 Sanguinea. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

7943 —New Hybrids. All shades of red and coral pink. Large flowers and free flowering. Pkt., 25c. Plants, 3 for \$1.00

Grow Iris From Seed

Culture: A, B or C, Page 40

8090 Kaempferi (Japanese Iris). Japanese Irises grow easily from seed sown in either the spring or fall. Flowering plants are often produced the first year. They will thrive in well drained soil, but require plenty of water in the flowering season. Pool margins are a good location. Pkt., 25c.

8092 Siberian. This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Seed from our own nursery. Pkt., 15c. For Iris plants see Page 100.

Dichotoma Seed. See Novelty Pages.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 40

The fragrant flower-heads of these thrifty flowers, somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 Purpurea. Lilac. Pkt., 10c.

7935 —Alba. White. 10c; **7936 —Mixed.** 10c.



8150 **LUNARIA** (Honesty). Pkt., 10c.

For Winter Bouquets

8150 LUNARIA Biennis Annua (Honesty or St. Peter's Penny). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Annual but readily self-sows. Pkt., 10c.

See Complete Index, Pages 111 and 112, to Find Items Quickly.



8179 **LUPINUS** Polyphyllus Vaughan's Special Mixture. Pkt., 25c. Plants, 3 for 85c.

Lupinus Polyphyllus

Culture: A, B, D or E, Page 40

Inoculate Lupin seeds with Nitragin. Two garden sizes, 10c and 25c. Chill seed before sowing.

8170 Albus. Large, pure white spikes. Pkt., 10c

8172 Atro-Violeaceus. Large dark blue. Pkt., 15c

8165 Blue. Stately spikes of blue. Pkt., 10c.

8166 Chocolate Soldier. Yellow to chocolate. 25c

8168 C. M. Prichard. Pale salmon-orange. 25c.

8174 Downer's Hybrids. Perpetual flowering new hybrids. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8173 Harkness' Regal Mixture. Charming new colors. Pkt., 15c.

8176 Lavender Queen. Lavender tinted pink. 15c.

8169 Luteus. Yellow shades. Pkt., 15c.

8175 Roseus. 4 ft. Light and dark rose. Pkt., 10c.

8171A "Russell," Re-selected Green Seal Strain. These remarkable Lupins are often 3½ ft. in length. The coloring has an enormous range and unique character. Flowers in 4 months from sowing. Gold Medal award by the R.H.S. 20 seeds, 50c; 65 seeds, \$1.25, in originator's packets.

8171 "Russell" (Grown from originator's stock seed). A fine collection. 50 seeds, 25c. **Famous Russell Strain.** Mixed colors, strong, blooming size. Plants, 3 for 85c; doz., \$2.50

8177A Salmoneus. Many salmon tints. Pkt., 15c

8182 Six Hills Scented Mixed. Fragrant, great range of color. Pkt., 15c.

8178 Sunshine. Yellow. Pkt., 15c.

8179 Vaughan's Special Mixture. This is a choice mixture of the best English and other European strains, including recent novelties. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8180 Mixed. Splendid value. Pkt., 10c.



8440 **PYRETHRUM** Grandiflorum Single Mixed. Pkt., 15c. Plants, 3 for 65c.

Pyrethrums

(Painted Daisy) May-June

Culture: B, D or E, Page 40

Their large flowers, well named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8440 **Grandiflorum Single Mixed.** Pkt., 15c. Plants, 3 for 65c.

8431 —**Roseum.** Immense deep rose. Pkt., 50c.

8432 —**Rubrum.** The color might best be described as deep ruby-red. Pkt., 50c.

8435A —**White.** Pure white and of true giant flowering type. Pkt., 50c.

8430 **Double Mixed.** Extra choice, selected seed. Not all will be double the first year but the doubles will increase the second year. Pkt., 35c.

8441 **Single Album.** White.

8444 —**Atro-sanguineum.** Blood-red.

8442 —**Carneum.** Flesh. 8443 **Roseum.** Rose. Each of the above, pkt., 15c.

8436 —**James Kelway.** Rich velvety blood-red. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

***Robinson's Hybrids, Mixed.** 3 for 85c; doz., \$2.50.

***Robinson's Crimson.** 3 for 85c; doz., \$2.50.

*For Seeds See Novelties.

8435 **Single Mixed.** Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100 \$12.00.

8429 **Uliginosum.** A hardy and vigorous fall Daisy bearing large white flowers in September. Pkt., 15c.

8428A **Tchihatchewii (Turfig Daisy).** For poor soils Pkt., 25c.

Scabiosa

Culture: B, D or E, Page 40

Perennial Scabiosas are of great value in the garden. They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

8490 **Caucasica Perfecta.** 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October. Pkt., 15c. Plants, 3 for 85c.

8491 —**Alba.** Pure white, comes true. Pkt., 25c.

8492 —**House's New Giant Hybrids.** 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8494A **Caucasica Vaughan's Special Mixture.** Large fringed and ruffled flowers from lavender to dark blue and some pure white. Pkt., 25c.

8494 **Columbaria Delicate Pink.** Flowers measure 2 inches across—very freely produced, of a beautiful shape, somewhat smaller than Scabiosa Caucasica, of a deep rosy mauve. Not hardy in middle western and northern states. Pkt., 25c.

8493 —**Delicate Lavender.** Same as above except color. Pkt., 25c.

8495 **Japonica.** 2 ft. Lavender-blue flowers. September to frost. Pkt., 10c.

Webbiana. See Novelty Pages.

Culture: B, Page 40

ICELAND or Nudicaule

Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off they blossom all summer, and they usually bloom the first year from seed. 12 inches.

8275X **Yellow.** 8270X **Mixed.**

8282X **White.** Each of above, 10c.

8281 **Yellow Wonder.** Large flowers. Pkt., 25c.

8290X **Double Mixed.** Extra fine strain. Pkt., 15c.

8292 **Empress.** 18-22 in. A companion to Emperor, even more nearly double, with delightful color range of salmon rose and pink tones. Pkt., 25c.

8288X **Gibson's New Giant Orange.** Fine deep orange. Pkt., 20c.

8286X **Sunbeams Mixed.** This is a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, and other tints. Pkt., 25c.

Gartford—See Novelties.

8277 **Gartref.** Large flowers in choice art shades all edged in a contrasting tone. Pkt., 25c.

8278 **Sandford's Giant Strain.** Immense flowers in a beautiful color range. Pkt., 20c.

8279 **Vaughan's Special Iceland Poppy Mixture.** We have included in this all the newer varieties and older forms. Pkt., 25c.

8269X **Alpine Mixed.** 6 in. A charming miniature with brilliant flowers, white, pink, apricot, yellow, orange-scarlet, etc. Pkt., 35c.

PLANTS OF ORIENTAL POPPIES

Wunderkind. Enormous carmine pink, vigorous growth. Plants, 40c; 3 for \$1.25.

Jeannie Mawson. 2½ ft. Charming Geranium pink, large flowers on stiff stems. Plants, 30c; 3 for 85c; doz., \$2.50.

Joyce. 4 ft. A tall cherry-red Poppy of medium size. Plants, 30c; 3 for 85c; doz., \$2.50.

Salmon Glow. Tall, dark salmon pink. Plants, each, 35c; 3 for 85c; doz., \$2.50.

Olympia. Double rich scarlet. Very early and free blooming. Plants, 30c; 3 for 85c; doz., \$2.50.

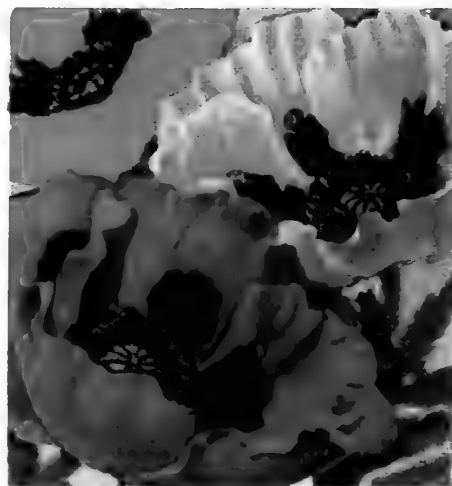
Royal Scarlet. Old-fashioned scarlet Oriental Poppy. Plants, 30c; 3 for 85c; doz., \$2.50.

Silverblick. 3 ft. Silvery rose pink. Plants, each, 35c; 3 for \$1.00.

Perennial Poppies



8293 **POPPY Iceland Emperor.** 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. Pkt., 25c.



8315 **POPPY Oriental Hybrids.** Pkt., 15c.

ORIENTALE (Oriental Poppy) 3 ft. May-June These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris.

8307 **Beauty of Livermere.** Finest dark crimson. Pkt., 25c. Plants, 35c; 3 for \$1.00; doz., \$3.50.

8311 **Carneum.** Light and dark salmon-pink shades (70% true). Pkt., 25c.

8308 **Mahoney.** Maroon, shaded crimson. Pkt., 15c.

8309 **Mrs. Perry.** Delicate salmon-rose, black base. Pkt., 25c. Plants, 30c; 3 for 85c; doz., \$2.50.

8309A **Olympia.** Rich scarlet. Pkt., 25c.

8306 **Perry's White.** 2½ ft. Large, handsome satiny white flowers with purple-black base. Pkt., 25c. Plants, each, 35c; 3 for \$1.00.

8305 **Princess Victoria Louise.** Large flowers, soft lilac-rose color. Pkt., 15c.

8310 **Red.** Very striking color. Pkt., 10c.

8312 **The Feltham.** A strain lacking the usual black blotches at base of petals. It has scarlet, orange-scarlet, apricot shades, etc. Pkt., 25c.

8313 **New Named Varieties.** Seed collected from a field of the newer named sorts. Pkt., 25c.

8315 **Hybrids Mixed.** Pkt., 15c.

8314 **Vaughan's Special Mixture.** Pkt., 25c.

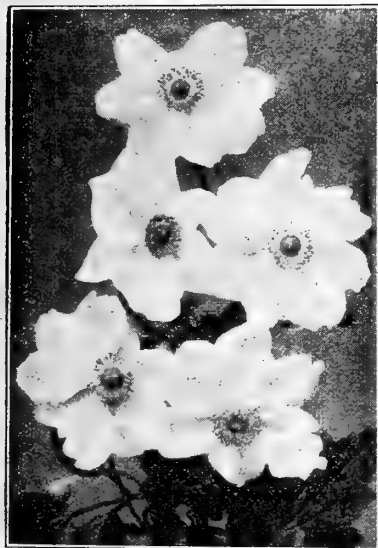


8490 **SCABIOSA Caucasica Perfecta.** Seeds, pkt., 15c Plants, 3 for 85c.

Additional Perennial Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 75 to 80 Inclusive, and 113 to 116 Inclusive.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted below or else they will be sent express at buyer's expense.



TYPE OF ANEMONE Japonica

Acaena ×

Culture: D or E, A or B, Page 40

Dwarf, spreading perennial with inconspicuous green flowers and showy crimson spines.

7002 Glauca. Silvery blue foliage. 2 in. Pkt., 25c.

Achillea (Yarrow)

Culture: B, D or E, Page 40

Achilleas grow readily from seed in sunny, well-drained positions, except the varieties marked X, which should have rock garden conditions. They are fine border flowers and several are excellent for cutting.

7007 X Ageratum. 1 to 2 ft. A pretty Alpine of compact habit, with leaves like Ageratum. Yellow, sweet-scented. Pkt., 15c.

7008 Eupatorium Filipendula, Parker's Variety. 3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7009 Millefolium Kelwayi. 2 ft. Carmine rose. Pkt., 35c.

7010 The Pearl. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

7013 X Tomentosa Aurea. 8-10 in. A woolly carpet-like plant for rockeries. Pkt., 15c.

Aconitum (Monkshood)

Culture: C, Page 40

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 Barker's Variety. This variety is more vigorous than others, but its outstanding merit is the branching habit of the flower spike. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7015 Fischeri. 3 ft. September. Deep blue, flowers in dense spikes, hardest of all. Pkt., 15c.

7020 Napellus. 3-4 ft. July-August. Upright spike of dark blue flowers. Pkt., 15c.

7025 Wilsoni. 4-6 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

7030 ADLUMIA Cirrhosa (Allegheny Vine). 15 ft. June. Pink flowers, fern-like foliage. Pkt., 10c.

7037 X AETHIONEMA Cordifolium (Lebanon Candytuft). 6-8 in. June. Blue-green foliage, rose-pink flowers. Pkt., 50c.

Agatheia

Culture: D, E or C, Page 40

7040 Coelestis (Blue Daisy). 1½ ft. June. Flowers sky-blue with yellow disc. Useful in the border, for bedding and as a pot plant; half hardy. Pkt., 10c.

Plants by Parcel Post

If to be sent by parcel post, add postage as follows: Single plants, 9c; 3 plants, 12c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

Anemone (Windflower)

Culture: B, C, D or E, Page 40

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Some varieties flower in the spring, and the Japanese Anemones are among the most beautiful of fall flowering perennials.

7075 X Coronaria (Poppy Anemone). Mixed colors. Early spring-June. 6-12 in. Pkt., 10c.

7074 —Blue. Pkt., 25c.

7080 X —St. Brigid's Strain. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7077 —His Excellency. Large single scarlet. 25c.

7078 —The Governor. Double scarlet. Pkt., 25c.

7090 X Pulsatilla (Pasque Flower). 1 ft. April-May. Flowers varying from lilac to purple. Should not be disturbed for several years. Pkt., 10c.

7095 X Pulsatilla Rubra. 6 to 9 in. April-May. Handsome dark red erect flowers. Pkt., 15c.

7100 X Sylvestris (Snowdrop Windflower). 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Pkt., 15c.

ANEMONE (Japanese Windflower). 2 to 3 ft. Bloom freely from late August till severe frosts. One of the most important fall garden plants. They prefer shade, moisture, a fertile and well drained location. Protect in winter. When once established they should not be disturbed.

Japonica Alba. White, yellow center.

—Hupehensis. Rose-pink.

—Queen Charlotte. La France pink, semi-double.

—Whirlwind. Full double white.

Plants, any of above Anemone Japonica, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

Japanese Anemone Collection No. 81
One plant each of 4 varieties, for \$1.20.

Anthemis (Marguerite)

Culture: B, D or E, Page 40

Free-flowering perennials with attractive cut foliage and large Daisy-like flowers. Need full sun.

7110 Kelwayi. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7111 —Alba. 3 ft. Hardy white Marguerite. 15c.

7113 X Montana. 9 in. Silvery tufted foliage with white flowers. April to July. Pkt., 15c.

7112 Sancta Johannis. 1½ ft. Clear golden yellow flowers. Pkt., 25c.

7115 Tinctoria. 2-3 ft. Bright yellow shading to white. June-Oct. Pkt., 10c.

7114 Tinctoria, Perry's Variety. 2 ft. Large lemon-yellow daisies, in bloom all summer. Pkt., 25c. Plants. 3 for 85c; doz., \$2.50.

Arabis (Rock Cress)

Culture: D or E, Page 40

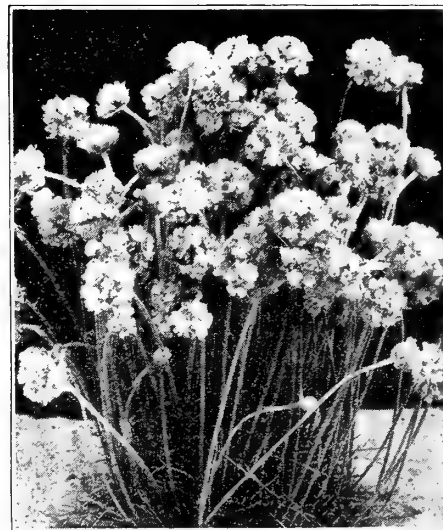
Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 X Alpina. 1 ft. April. Pure white. Pkt., 10c.

7198 A —Snow-cap. Extremely dwarf and compact habit—really shining, snow-white cushions of flowers. Pkt., 15c.

7197 X —Rosea. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

7196 X —Compacta. 9 in. May. Compact growing type, white flower. Pkt., 15c.



ARMERIA Ruby.

Armeria (Thrift, Sea Pink)

Culture: B, D or E, Page 40

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7205 X Alpina. 1 ft. July. Deep rose. Pkt., 10c.

7217 X Bee's Ruby. A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7211 X Formosa Hybrida. 24 in. Shades of pink. Blooms early summer. Pkt., 15c.

7206 Glory of Holland Giant Pink. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems of 24 inches height, in large profusion all summer. Fine for cutting. Pkt., 25c.

7218 X Laucheana. 6 in. June-Aug. Crimson. Pkt., 10c.

7052 ALSTROEMERIA Aurantica. 3 ft. Orange and red. Pkt., 25c.

7116 X ANTIRRHINUM Asarina. 6 in. July. Creeping Snapdragon. Cream. Pkt., 25c.

7219 X ARENARIA Montana. 6 in. Silvery white flowers. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 40

7220 Tuberosa. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers with purplish stems and hairy leaves. Pkt., 15c. Plants. 3 for 85c.

Aubrietia

Culture: B, D or E, Page 40

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231 X Bougainvillei. Light violet purple. Pkt., 25c.

7231 A Deltoidea. Lilac. 6 in. Pkt., 25c.

7231 B Eyrii. Fine large blue. Pkt., 25c.

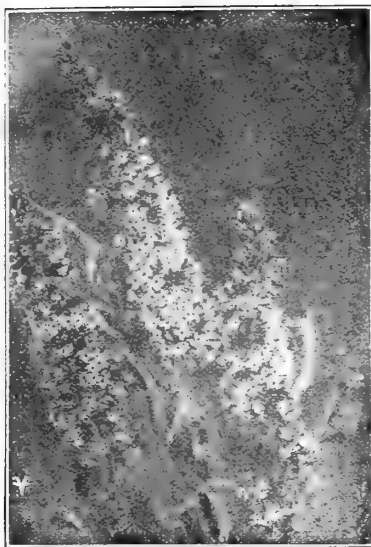
7232 X Graeca. Light blue, dwarf. Pkt., 25c.

7233 X Leichtlinii. Large-flowered, rosy lilac. 25c.

7233 A Rosea Grandiflora. Pkt., 25c.

7234 Whitewell Gem. Glowing rosy purple with slight tinge of blue. Pkt., 25c.

7230 X Large-Flowered Hybrids, Mixed. A wonderfully fine strain, good range of colors. Pkt., 25c.



BUDDLEIA (Butterfly Bush)

Baptisia

Culture: B, C, D or E, Page 40

- 7235 Australis (False Indigo).** Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c.

Betonica

Culture: B, D or E, Page 40

- 7244 Grandiflora.** Close tufty foliage with bright rose purple flowers on long stems about 2 to 3 ft. tall, in June, July and August. A lovely plant for a hot, dry place in the border. Pkt., 25c.

Blackberry Lily or Leopard Flower

Culture: B, D or E, Page 40

- 7243** 3 to 4 ft. The first popular name comes from clusters of shining black roundish seeds, and the second from the color of the flowers which are orange spotted red. A perennial of easy culture in rich, sandy loam in a sunny spot. The seed stalks may be used with dried grasses for winter bouquets. Pkt., 10c.

- 7240 BOCCONIA Cordata.** 5 ft. Cream. Pkt., 10c.

Boltonia (False Chamomile)

Culture: B, D or E, Page 40

They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

- 7245 Asteroides.** 4-6 ft. July-Oct. White. Pkt., 15c.

- 7250 Latisquama.** 4-5 ft. July-Oct. Delicate pink. Pkt., 15c.

Buddleia (Butterfly Bush)

Culture: B, D or E, Page 40

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as Roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

- lle de France.** 3-6 ft. July-Sept. Large trusses of rich, rosy violet-purple, fragrant. Plants, 3 for 85c; doz., \$2.50.

- 7251 Variabilis Veitchiana.** 3-8 ft. July-Sept. Mauve. Pkt., 15c.

Four New \$1.65 Buddleias,

ONE EACH OF POT PLANTS LISTED BELOW

Great improvements have been made in this flowering shrub known as Summer Lilac, or Butterfly Bush, which flowers from July until frost.

Charming. Light rose pink. Fast grower. Ea., 50c.

Dubonnet. An entirely new shade. The popular Dubonnet wine color. Each, 50c.

Fortune. Patented. Pure lilac, excellent cut flower. Each, 75c.

Hartwegi. Bright lilac of good growth. Profuse bloomer. Each, 35c.

New Hardy Asters

Illustrated in Color on Page 113

Culture: B, D or E, Page 40

If you have ever seen the glorious effects of a mass planting of these hardy perennial Asters, you will not fail to make a planting of them in your garden. They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall, a season when most other perennials are past blooming. They grow from two to five feet high according to the variety, blooming profusely over the entire plant. For best effect they should be planted in masses of one color.

DWARF ALPINES

- 7226 X Alpinus Goliath.** 6 to 10 inches. May-June. Large showy bluish-purple flowers with yellow center. Pkt., 20c.

- 7226A —Albus.** Pure white. 1 ft. Pkt., 25c.

- 7227A X—Mixed.** 5 to 10 inches. May-June. Large lavender-blue and white flowers. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Three New Dwarf Asters, 90c.

One each of the varieties listed below:

Extremely showy in full bloom and a welcome addition.

- X Countess of Dudley.** 1 ft. Oct. Charming clear pink flowers with yellow eye.

- X Victor.** 6 in. Sept. The flowers are of good size and of a beautiful clear pale lavender blue.

- X Snowsprite.** 6 in. Sept. Very dwarf growth hidden by a solid mass of white bloom.

Any of above New Dwarf Asters: Plants, each 40c; 3 for \$1.00; doz., \$3.50.

- 7224 Amellus Hybridus.** 2½ ft. New named varieties, finest mixed. Pkt., 25c.

- 7224A Amellus Beauty of Ronsdorf.** 2 ft. Aug.-Sept. Large lilac-rose flowers in great profusion; plants branch freely. Pkt., 25c.

- 7223A—Roseus.** 20 in. Very like the Beauty of Ronsdorf, but a clear rose. Pkt., 25c.

- 7225A X Rotundifolius.** 6 in. The numerous flowers rise on wiry stems above the dark green leaves, which are rounded at the ends. The bright yellow discs are surrounded with ray florets of a fine Forget-me-not blue. Planted in a sunny border or rock garden, they make a brave show all summer. Pkt., 50c.

7228A Wartburg Star (Star of Eisenach).

May. A giant-flowered variety of the subcoeruleus type. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across. Pkt., 35c. Plants, 3 for 85c.

- 7229A Yunnanensis.** June. Brilliant lilac-blue with yellow disc. Pkt., 35c.

- 7225 Perennial, Large-Flowering Mixed.** 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

MICHAELMAS DAISIES

Of great hardiness, producing a wealth of bloom in September.

Charles Wilson. Brilliant red flowers cover plant which grows 3 feet tall. Plants, 3 for \$1.00; doz., \$3.50. For other Asters, See also Page 113.

- 7257 X CALAMINTHA Alpina.** 6 in. Pkt., 25c.

- 7256 X CALLIRHOE Involucrata (Poppy Mal-low).** Crimson. Pkt., 15c.

Carnation

Culture: B, D or E, Page 40

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 20 in.

- 7390 King of the Blacks.** Darkest red, very fine. Pkt., 15c.

- 7398 Golden Sun.** Early flowering, very double, large clear yellow flowers. Pkt., 35c.

- 7395 Scarlet.** Pkt., 20c. Plants, 3 for 85c.

- 7385 Triumph, Rose.** Pkt., 15c. Plants, 3 for 85c.

- 7396 Triumphschon.** Lovely colors ranging from soft rose and salmon-rose to bright pink. Pkt., 25c.

- 7400 White.** Pkt., 20c. Plants, 3 for 85c.

- 7401 Mixed.** Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.



CISTICUGA

CARNATION—Continued.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double, large-flowering and early.

- 7410 Rose.** Pkt., 15c. **7415 Mixed.** Pkt., 10c.

- 7376 CASSIA Marylandica.** 4 ft. Yellow. 10c.

- 7377 CATANANCHE Coerulea.** 2 ft. Blue. 10c.

Centaurea (Hardheads, Knapweed)

Culture: B, D or E, Page 40

The flower-heads are like showy, ragged Thistle blooms.

- 7426 Dealbata.** 2 ft. Large and striking rose-pink flowers, feathery foliage. Pkt., 15c.

- 7425 Macrocephala.** 3 ft. During July and Aug., its stiff upright stalks which make a growth of 3 to 4 ft. are topped with radiant yellow Thistle-like blooms. Flowers borne one on a stem often 4 in. across. Fine for background. Pkt., 10c.

- 7430 Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual Cornflower. Pkt., 10c.

Hardy Perennials, Mixed. See Novelty Pages.

- 7435 X CERASTIUM Tomentosum (Snow in Summer).** 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

Chelone (Turtle Head or Shell Flower)

Hardy perennials of easy culture. The flowers, which are borne on 2 to 3 foot stems, resemble a turtle head, and are most useful for cutting.

Culture: B, D or E, Page 40

- 7436 Barbata Coccinea.** Scarlet, 4 ft. Pkt., 15c.

- 7437 Hybrida, Mixed.** 4 ft. Pkt., 15c.

- 7438 Nana, Dwarf Mixed.** 16 in. Pkt., 25c.

- 7439 Praecox.** Rich colors, early flowering hybrids, 3 to 4 ft. Pkt., 15c.

- 7441 Torreyi.** Brick red, 4 ft. Pkt., 15c.

Chrysanthemums

Culture: B, D or E, Page 40

These hardy fall flowering Chrysanthemums will bloom the first year from seed, often producing earlier blooms than possible to obtain from plants. In sections where frosts are early and winters severe, this method of propagation is advised.

- 7442 Cascade or Balcony Mixed.** A form producing drooping spikes a foot or more in length, with flowers about the size of a Climax Aster in delicate pink, rose, yellow and white mixed. Should be grown in hanging basket or pot. 35c.

Korean Hybrids. See Novelty Pages.

- 7445 Mawii.** 1 ft. Rich pink flowers. An ideal subject for border or rockery, flowers two inches across. Silvery foliage. Pkt. 35c.

For other Chrysanthemums, see Page 113.

Chrysoboltonia

Pulcherrima. 2½ ft. Bush plants, covered with pale pink daisies in September. Fine cut flower. Plants, 3 for 85c; doz., \$2.50.

Cimicifuga

Culture: B, Page 40

7470 Simplex. A shade-loving perennial with feathery racemes of pure white slender drooping spikes. Blooms in late summer. Very attractive when planted in a border or margin of woods. Pkt., 20c.

CLEMATIS Jackmanii. See Climbing Vines.

Corydalis

Culture: A, B, D or E, Page 40

7498 Sempervirens Rosea. 12 to 18 in. Another exquisite plant with beautiful blue gray lacey foliage, lovely air swung blossoms in purest pink with gold tip. Pkt., 25c.

Cynoglossum

Culture: A, B, D or E, Page 40

7499 Nervosum. 1-2 ft. A perennial "Chinese Forget-me-not." Blooms in May with true blue flowers, and if faded spikes are cut continues until mid-August. Likes sun and heavy soil. Pkt., 25c.

Shasta Daisies

Culture: B, D or E, Page 40

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 Alaska. 2-2½ feet. Splendid for cutting. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.

Diener's New Giant Everblooming G. Marconi. See Novelty Pages and Page 113.

Diener's Fancy Chiffon Glendale. See Novelty Pages.

501 Westalia. 3 ft. Taller and earlier. Pkt., 15c.

7502 Elder Daisy. 2 ft. May. A popular variety for early cutting and border. Pkt., 15c.

Giant Double. See colored Perennial pages.

Elder Daisy, Improved. Originator's improvement, larger flowers and more prolific bloomer. Plants, 3 for 85c; doz., \$2.50.

7446 Maximum Dwarf Bouquet. 12-15 in. A dwarf variety that blooms from seed the first year. White flowers with small centers. Pkt., 25c.

7462 Maximum Conqueror. June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7460 —King Edward VII. 2½ feet. Very large flowers on stout stems. Pkt., 10c. See also Page 113.



SHASTA DAISIES Alaska.

Doronicum (Leopard's Bane)

Culture: B or C, Page 40

Showy spring flowering perennials belonging to the Daisy order. Their yellow Marguerite flowers are invaluable for cutting. Seed germinates slowly.

7777 Caucasicum. 1½ ft. A showy border plant with large heads of yellow flowers. Spring. Pkt., 50c.

Echinacea (Coneflower)

Culture: B, D or E, Page 40

Stout perennials for the border or wild garden. Flowers in July-Aug., good cut flowers.

7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant; purple flowers. Pkt., 15c.

7788 ECHINOPS Ritro (Globe Thistle). 3-4 ft. Steel-blue flower-heads, round like a ball, covered with needle-like spines. Pkt., 10c.

7791 XEDELWEISS Leontopodium Alpinum. 4-12 in. June-July. The flowers white and star-shaped. Both lavender and flowers are woolly. Pkt., 25c.

Erigeron (Flea Bane)

Culture: B or C, Page 40

They somewhat resemble in form the hardy Asters, but flower much earlier, and have attractive single flowers which are prized for cutting.

7795A Bourgati. Handsome and vigorous species. The deeply cut leaves have light veins which are very attractive. The stems, flower-heads and radiant pointed petals are steel blue. June flowering. Pkt., 20c.

7796 Speciosus Hybridus Grandiflorus. Large flowers of rich purple. 24 in. June. Pkt., 20c.

7798 XERINUS Alpinus. 4 in. May-June. Purple flowers, good for flagging. Pkt., 25c.

Eupatorium (Hardy Ageratum)

Plant these vigorous, thrifty flowers in the border or in woodland. They like light shade. Coelestinum is one of finest fall perennials.

Coelestinum. 2 ft. Sept.-Oct. One of the few outstanding fall perennials. Grows into large bushes with abundant lavender flower-heads like Ageratum. Excellent cut flower. Plants, 3 for 85c; doz., \$2.50.

Euphorbia

Culture: B, D or E, Page 40

7807 Corollata (Wild Baby's Breath). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila but the flowers are larger and more pronouncedly white, a cloud of small white stars, indescribably delicate and airy. Valuable for bouquets. Will bear anything in the way of drought or neglect. Leaves turn a rich wine color in fall. Pkt., 25c.

7808 XMyrsinites. 3 in. June-July. Distinct grey trailer, large heads of yellow flowers. Pkt., 25c.

7806 XPolychroma (Mountain of Gold). 18 in. June and July. Bright yellow flowers changing to rosy bronze. Pkt., 25c.

Gerbera (Transvaal Daisy)

Culture: D or E, Page 40

7846 Jamesoni Hybrids (Flowerland Strain).

2 ft. Large Daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up, cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect in summer in the open from rain. Needs protection over winter. Pkt. (25 seeds), 25c.

Globularia (Globe Daisy)

Culture: B, D or E, Page 40

A dwarf-growing perennial suitable for growing on the margin of sunny borders and very showy in the rock garden. They have evergreen foliage.

7857 XTrichosanthes. 6 in. A dwarf, tufted little plant with beautiful lavender globular flower heads. Does well in front of a well-drained border and is a brilliant picture in the rock garden. Pkt., 25c.

Grasses

7858A Erianthus Ravennae. 5 to 7 ft. Hardy Pampas Grass. Producing 30 to 50 flower-spikes. 15c.



GYPSOPHILA—Paniculata Flore Pleno

Gypsophila (Baby's Breath)

Culture: A, B, D or E, Page 40

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets. Dried flowers can be made to look again like fresh ones by wrapping the dried blooms in a moist towel half a day in a cool place.

7864 Acutifolia. 3 ft. Pretty, useful species, flowers pale pink. Pkt., 15c.

Bodgeri. Dwarf double white. Plants, 3 for \$1.00; doz., \$3.50.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that tends to darken as the flowers mature. Each individual flower measures slightly more than one-quarter of an inch in diameter and possesses a white throat. The flowers are fragrant. Seeds, pkt., 25c; Plants, 3 for \$1.00; doz., \$3.50.

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

Paniculata Bristol Fairy (Double Baby's Breath)

Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than Paniculata fl. pl., and producing a second crop of spikes after the first have been cut. Plants, 65c each; 3 for \$1.50; doz., \$5.00.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.

7863 XRepens Rosea. 6 in. Attractive dwarf pink. Pkt., 15c.

Rosenschleier (Rosy Veil). Dwarf, double pink. Plants, 3 for \$1.00; doz., \$3.50.

Helenium (Sneezewort)

Culture: B, D or E, Page 40

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

7880 Bigelowi. 2 ft. Light yellow flowers borne from July to September. Pkt., 10c.

7885 Hoopesii. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Pkt., 10c.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Pkt., 25c.

7895 Riverton Beauty. 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug.-Sept. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Helianthus (Hardy Sunflower)

Culture: B, D or E, Page 40

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting.

7900 Maximilianii. Aug.-Oct. 2-4 ft. Small and graceful flowers of deep yellow. Pkt., 25c.

7905 Perennial Varieties, Mixed. Pkt., 15c.

Multiflorus Plenus. Double golden yellow Chrysanthemum-like flowers. Aug.-Sept. 4 ft. tall. Plants, 3 for \$1.00; doz., \$3.50.

Heliopsis (Orange Sunflower)

Culture: A, B, D or E, Page 40

A very brilliant border plant, resembling a double Sunflower; an excellent cut flower.

7909 Lemoine Strain. Double golden yellow. Blooms first year from seed. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7910 Pitcheriana. 3 to 4 ft. high. Golden yellow flowers 2 inches in diameter; blooms all summer. Pkt., 10c.

Hemerocallis (Yellow Day Lily)

NEW HYBRIDS

Hybridizers like Dr. Stout, B. H. Farr, C. Betscher, Amos Perry, George Yeld and others, have created wonderful new Hemerocallis of rare beauty, rich coloring and extreme hardiness.

Cinnabar. July-August. Light bronzy red, suffused gold. Each, 60c.

Goldeni. 3 ft. June. Big golden yellow flowers. Each, 35c.

Hyperion. July-August. Large citron yellow. Outstanding. Each, 75c.

Soudan. 3 ft. June. Empire yellow, crinkled petals. Each, \$1.25.

OLDER VARIETIES

Aureole. 3 ft. May. Deep orange, bronze reverse.

Dr. Regal. 1½ ft. Rich orange-yellow. May and June.

Fulva Kwanso Fl. Pl. 3 ft. July-August. Orange shaded crimson double.

Sovereign. 2 ft. May-June. Soft chrome-yellow, shaded brown on the outside, fragrant.

Thunbergi. 3 ft. July. Fragrant golden yellow.

Prices, Older Varieties, 3 for 65c; doz., \$2.00. For Hemerocallis Collection See Page 113.

Helleborus (Christmas Rose)

Helleborus Niger. 10 in. Rare, interesting perennials which bloom in winter or early spring. White flowers, 2 in. diam. Plants, each, 90c; 3 for \$2.50.

Hibiscus (Rose Mallow)

(3 to 5 Feet)

Culture: B, D or E, Page 40

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7945 Crimson Eye. Creamy white flowers, large crimson center. Pkt., 10c. Plants, 3 for 85c.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

Jumbo Red. See Novelty Pages.

7960 Mallow Marvels, Mixed. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7965 —Red. Pkt., 15c. Plants, 3 for 85c.

7966 —Pink. Pkt., 15c. Plants, 3 for 85c.

Hosta (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty Lily-like flowers in terminal racemes, 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

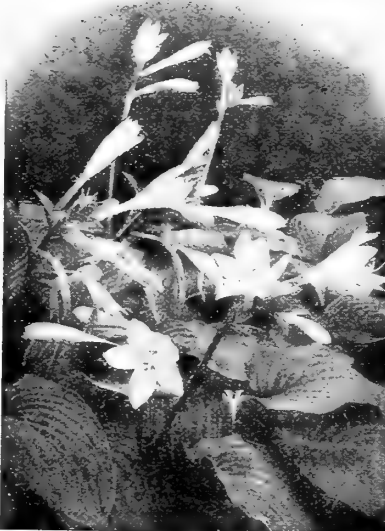
Coerulea (Lanceolata). 1 ft. Dark blue. 3 for 85c; doz., 85c.

Fortunei Robusta. Unusually large blue-green foliage. Flowers are white, shaded a light lilac blue. A novelty of real value. Plants, each, 65c; 3 for \$1.50.

Japanica Aurea Marginata. 1 ft. Aug. Mauve. Plants, 3 for 85c; doz., \$2.50.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. Plants, 3 for \$1.00; doz., \$3.50.

Variegata. Good edging plant, leaves white and green. Plants, 3 for \$1.00; doz., \$3.50.



HOSTA (Funkia or Day Lily).
Subcordata Grandiflora. Plants, 3 for \$1.00;
doz., \$3.50.

Iberis (Perennial Candytuft)

Culture: A, B, D or E, Page 40

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075 X Gibraltarica. Pinkish white. Pkt., 10c.

Jucunda. See Aethionema Cordifolium.

8078 Queen of Italy. Dwarf bushes covered with large pink blooms. Pkt., 10c.

8080 X Sempervirens. Sheet of white. Pkt., 15c.

Incarvillea (Hardy Gloxinia)

Culture: B or C, Page 40

Large rich rose Begonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

8084 Bee's Pink. 1½ ft. Large light rose. Very striking. Pkt., 35c.

8085 Delavayi. 2 ft. June. Large impressive flowers purple rose. Germinates slowly. Pkt., 25c.

8086 Grandiflora. 1 ft. Large amaranth red flowers. May and June. Pkt., 25c.

8087 —Brevipes. 2 ft. Large flowers, bright deep rose. Very handsome. Easily grown. Pkt., 25c.

IRIS Dichotoma. See Novelty Pages.

Lathyrus Latifolius

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 40

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

8100 Pink Beauty. Pale pink variety.

8105 Rubra. Bright rosy crimson.

8110 White Pearl. Large white.

8115 Mixed. The above colors.

Each of the above, pkt., 10c.

LEPACHYS Maroon and Gold. See Novelties.

Lavender (Lavendula)

Culture: B, D or E, Page 40

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Favorite for centuries.

8117 X Munstead Strain. 1 ft. A most valuable variety producing large sweet scented flowers in abundance. A month earlier than the common Lavender. Pkt., 25c.

8116 Vera (True Lavender). 2 ft. June-Aug. Blue. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

Liatris

(Kansas Gay Feather)

Culture: B, D or E, Page 40

8118A Pyncostachya. 4 to 5 ft. Flowers purple in spikes, which bloom a long time. Excellent for the border. July-Aug. Pkt., 25c.

8118 Spicata (Button Snakeroot). 2 to 3 feet. Purple flowers, July-Sept. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8119 Scariosa. Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.

Lilies from Seed

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. You will find it fascinating.

8156 Auratum (Gold-Banded). Flowers white, dotted crimson, with a clear golden band running through center of each petal; fragrant. Pkt., 15c.

8156A Auratum Platyphyllum. The flowers are similar in color to Auratum, heavily spotted, but are much larger, of greater substance. Pkt., 15c.

8160 Backhouse Hybrids. Growing 5-6 feet high. Flowers come in purple, straw-yellow, orange, buff and many lovely combinations, with contrasting marbled or dotted effect. Pkt. (25 seeds), 40c.

8160A Candidum Saloniki. Pure white flowers with yellow stamens. Delightfully fragrant. Pkt., 25c.

8156C Concolor. Especially adapted to rockeries. Flowers upright, starlike, deep vermilion. July. 6 to 18 inches. Pkt. (50 seeds), 25c.

8161 Formosanum Pure White (Dream Lily). 2 ft. It bears on slender leafy stem many long white trumpet-shaped flowers slightly marked externally, reddish brown with reflexing petals. Blooms from seed the first year if sown early. Pkt. (65 seeds), 35c.

8158A Longiflorum Praecox White Queen. Produces long trumpet-shaped flowers of clear white. Pkt., 25c.

8157 Henryii. The flower stalks, 3 to 5 feet high, carry 5 to 8 flowers each; the color, a rich apricot-yellow, lightly spotted with brown. Pkt., 35c.

8158 Martagon (Turk's Cap Lily). The waxy petals of the flowers are a dull purple color, pleasingly reflexed, and marked with black spots. It is of wide-spread adaptability. Pkt., 25c.

8162 Regale (The Royal Lily). 3½ ft. The flowers are white, slightly suffused with pink on backs of petals. Fragrant. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt. (150 seeds), 15c.

8163 Tenuifolium (Coral Lily of Siberia). It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt. (150 seeds), 25c.

8164A Mixture of Hardy Lilies. Pkt. (250 seeds), 25c.

Linaria (Toad Flax)

Culture: A, B, D or E, Page 40

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8122 X Alpina. 6 in. Blue. July and Aug. Pkt., 25c.

8119A Canon Want. 2½ ft. Pink. Pkt., 25c.

8120 X Cymbalaria (Kenilworth Ivy). 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.

8121 Dalmatica. 3 ft. Bright yellow flowers, tall habit, glaucous foliage. Pkt., 25c.

Linum (Flax) 12 to 18 in.

Culture: C, Page 40

The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

8126 X Alpinum. 4 in. Purple, blotched orange. 25c.

8140 Flavum. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 —Compactum Nanum. A glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.

8124 Narbonense. Forms a spreading clump of azure-blue flowers with white eye. Pkt., 25c.

8125 Perenne Blue. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8135 —Mixed Blue and White. Pkt., 10c.

Lobelia

Culture: B, C, D or E, Page 40

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

- 8145 Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c.
- 8146 Syphilitica.** 3 ft. Aug.-Sept. Fine spikes of blue flowers. Pkt., 15c.

Lychnis

Culture: B, D or E, Page 40

A fine old-fashioned flower that livens up the border during summer and early autumn.

- 8200 X Alpina.** 4 in. April. Close tufts, olive-green foliage. Clusters of rose flowers. Pkt., 20c.
- 8189 Arkwrightii.** 2 to 3 ft. Magnificent hybrid of Chalcidonica and Haageana. Salmon-rose to flaming scarlet and dark carmine. Pkt., 25c.
- 8190 Chalcidonica (Maltese Cross).** 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a maltese cross. Will bloom from seed the first year. Pkt., 10c.
- 8196 —Salmon Queen.** 3 ft. Salmon-pink. 15c.
- 8195 X Forrestii Hybrids.** Showy panicles of carmine, crimson, pink and white flowers, excellent for rock garden and border, 2 ft. Pkt., 15c.
- 8210 X Haageana Hybrids.** 1 ft. June-July. Mixed. Ranging from nearly white to scarlet. Pkt., 10c.
- 8215 X Viscaria Splendens.** 1½ ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c.

- 8220 LYTHRUM Roseum Superbum.** 4 ft. Rose-pink. Pkt., 10c.

MINT Garden. Garden variety of Spearmint. Plants, 3 for 65c; doz., \$2.00.

For seeds see Herbs in vegetable seeds pages.

Monarda

(Bergamot or Bee Balm)

Culture: B, D or E, Page 40

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

- 8225 Didyma.** 3 ft. June-Sept. Brilliant scarlet. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8226 Hybrida.** Mixed. Pkt., 15c.

Myosotis

(Forget-Me-Not)

Culture: C, Page 40

Lovely dwarf plant for damp places, spreading rapidly and covering the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. Plant Forget-Me-Nots over Tulip beds, or mix them with Primroses in a shady corner.

We list the seeds of Alpestris varieties among annuals.

- 8230 Dissitiflora.** Rich blue, early and compact. One of the best. Pkt., 15c.
- 8240 X Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 3356 Vaughan's Early Blue Bird.** 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.
- 8252 Star of Love.** A charming dwarf compact variety, literally covered with large bright blue flowers. Dark green foliage. Height, 5 in. Pkt., 25c.

8259 Native Wild Flower Mixture.

Seeds of more than 100 different species, carefully collected in the field, are included. Most are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. ½ oz., 50c. Pkt., 25c

Nepeta (Mauve Catnip)

Culture: B, D or E, Page 40

Neat bushes covered with lavender-blue flowers; both foliage and flowers aromatic.

- 8254 X Mussini.** 1 ft. May-Sept. Light blue. Pkt., 25c.
- 8253 Nervosa.** May-Sept. The flowers are of a clear light blue, brighter than Mussini. Pkt., 25c.
- 8254 A Souvenir Andre Chaudron.** 1 ft. Upright habit, dark blue, freely produced. Pkt., 25c.



3356 MYOSOTIS Early Blue Bird. Pkt., 25c.

Oenothera (Evening Primrose)

Culture: B, D or E, Page 40

Showy and beautiful plants for borders, beds, etc., flowering from June to October.

- 8261 X Missouriensis (Macrocarpa).** 1 ft. Long trailing stems with yellow flowers. Pkt., 10c.
- 8265 Youngii.** 1-3 ft. Masses of yellow flowers. Pkt., 20c.

Pachysandra

(Japanese Spurge)

X Terminalis. 4 to 6 in. Deep green, evergreen foliage; thrives any shady place where grass will not grow. Strong Pot Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. For planting large areas we can furnish rooted runners at \$8.00 per 100.

Pentstemon (Beard Tongue)

Culture: B, D or E, Page 40

Pentstemons are one of most satisfactory of perennials. They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

- 7441 Barbatus Torreyi (Chelone Barbata).** 3½ ft. July-August. Coral red. Pkt., 15c.
- 8323 X Blue Gem.** 1 ft. Compact with charming blue flowers. Pkt., 25c.
- 8335 Digitalis.** 2 ft. June-July. White flowers with purple throat. Pkt., 25c.
- 8324 Glaber.** 3 ft. July-Sept. Fine purple blue. Pkt., 25c.
- 8325 Pubescens.** 2 ft. Rosy purple. Pkt., 10c.
- 8330 Hubwegii.** Large Flowering Newest Hybrids. Splendid assortment of colors. Pkt., 15c.

Garnet. The first of a new strain of hardy, large flowering Pentstemons. The plants have a succession of several 12-18 in. spikes, with bell-shaped flowers, rich garnet red in color. The flowers are excellent for cutting. Plants, each, 50c; 3 for \$1.50.

For other varieties see page 62.

Perennial Everlastings

For Winter Bouquets

- 7008 Achillea Filpendula Parker's.** Pkt., 15c.
- 7788 Echinops Ritro (Globe Thistle).** Pkt., 10c.
- 7860 Gypsophila Paniculata Fl. Pl.** Pkt., 25c.
- 8150 Lunaria Biennis or Honesty.** Pkt., 10c.
- 8345 Physalis Franchetti.** Pkt., 10c.
- 8350 Statice Latifolia (Sea Lavender).** Pkt., 10c.
- All the Perennial Ornamental Grasses.

Physalis Franchetti

8345 Chinese Lantern Plant. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Pkt., 10c. See novelty pages for Gigantea.

POTERIUM Obtusum. See Page 114.

Dwarf and Subulata Phlox

- Amoena.** Charming variety, bright pink. 6 in. April-May. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Divaricata Canadensis.** Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefers shade. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Dixie Brilliant (Nivalis Sylvestris).** Low spreading grey-green foliage, covered in early spring with rosy red flowers, 1 inch diameter. Each, 40c; 3 for \$1.00; doz., \$3.50.
- Subulata Alba.** Dainty white flowers in May. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Subulata Brittoni.** For hot dry locations. Starry white flowers, compact foliage. 3 for 85c; doz., \$2.50.
- Subulata Atro-Purpurea.** A new variety. Brilliant reddish purple flowers. 3 for 85c; doz., \$2.50.
- Subulata Mrs. G. F. Wilson.** Lavender pink flowers in May and in the fall. 3 for 85c; doz., \$2.50.
- Subulata Rosea.** Dainty pink flowers. This and Alba are fine for graves. 3 for 65c; doz., \$2.00.
- Subulata Pink Cushion.** New. More compact, clearer pink than Rosea. 3 for 85c; doz., \$2.50.
- Subulata Vivid.** Most profuse bloomer of all. Bright pink, red eye. 3 for \$1.00; doz., \$3.50.

8340 PHLOX Decussata Mixed. 2-3 ft. (Seed Ready End of November or Early December.) This special mixture comes from a superior collection of large-flowering sorts. We flowered this mixture in our nursery last summer and were greatly pleased with the size of the flowers and flower-heads and colors. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

For other Phlox, see Page 114.

Physostegia

(False Dragon Head)

Culture: B, D or E, Page 40

Spikes of flowers resembling tiny Snapdragons rise above attractive foliage. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage. Blooms Aug.-Sept.

- 8350 Virginica.** Dense bushes with spikes of delicate lavender-pink tubular flowers. June-September. 4 ft. Pkt., 10c.
- 8355 —Alba.** June-Sept. 3 ft. Pkt., 10c.
- 8356 —Gigantea.** Lilac-rose. 4 ft. Pkt., 25c.
- 8357 —Compacta Rosea.** Rose. 3 ft. Pkt., 25c.
- Physostegia Grandiflora "Vivid."** 20 in. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, more vivid pink and plant is dwarf. Plants, 3 for 85c; doz., \$2.50.

Platycodon

(Chinese Bell Flower)

Culture: B, D or E, Page 40

They resemble Campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.

- 8360 Grandiflorum.** 2-3 ft. Large handsome deep blue flowers. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.
- 8365 —Album.** White. Pkt., 10c. Plants, 3 for 65c.
- 8361 —Mixture.** Pkt., 10c. Plants, 3 for 65c.
- 8366 —Early Flowering Blue.** Pkt., 15c.
- 8367 —Early Flowering White.** Pkt., 15c.
- 8370 X Mariessii Blue.** 1 ft. Deep blue dwarf. Pkt., 10c.
- 8375 X —Alba.** White. Pkt., 10c.

Polemonium (Jacob's Ladder)

Culture: B, D or E, Page 40

Free flowering hardy perennial herbs; belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the Tulips.

- 8380 Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 10c.
- 8381 —Album.** White form of the above. Pkt., 10c.
- 8387 X Reptans.** 6 in. Flower sprays china-blue. Mounds of beautiful blossoms. Pkt., 25c.
- 8388 Richardsoni.** 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c.

Potentilla (Cinquefoil)

Culture: C or B, Page 40

Perennials for culture in sunny borders, and are most useful for cutting. They have strawberry-like leaves and showy, single or double flowers of varying rich shades of color.

- 8400 **Double, Mixed.** All colors. Pkt., 20c.
8401 **Single, Mixed.** Pkt., 10c.

Primrose

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly, may be in the ground a year.

Culture: C or B, Page 40

Acaulis Lilacina Fl. Pl. (Lavender Beauty). A fine new double variety, similar in habits and character to *Primula Veris*, with double lilac blooms. Plants, 3 for \$1.25; doz., \$4.00.

8402 **X Acaulis Vulgaris (Common Primrose).** Flowers bright yellow; fragrant. Pkt., 10c.

8403 **X Auricula Large Flowering Mixed.** 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

8403A **Giant Mixed.** Prize show varieties. Pkt., 50c.

8405 **X Bullesiana Hybrida.** New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c

8405A **X Cashmiriana.** 1 ft. Flowers in dense heads, lilac in color. Bloom early. Pkt., 25c.

8407 **Florindae.** 3 to 4 ft. It bears from late June to late in August, 60 to 80 fragrant bright yellow pendent flowers at the top of its stem. Does well in full sun—heavy soil; hardy in Illinois. Pkt., 35c.

8410 **X Japonica Special Strain.** Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

8414 **X Rosea Grandiflora.** 8 in. Rose carmine. May-June. Pkt., 35c.

8411 **Sikkimensis.** 15 in. Yellow fragrant. Pkt., 50c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8415 **X Veris, Mixed.** 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in umbels. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8420 **Grandiflora Coerulea.** The beautiful blue Polyanthus, extra fine variety. Pkt. (50 seeds), 50c.

8422 **Elator Gigantea.** The flower spikes are 8 to 10 in. long, average ½ in. in width. The individual flowers are very large and are of pure white, dark red, pure yellow, pink and lilac and violet shadings. Pkt. (60 seeds), 25c.

8416 **X Grandiflora, Mixed.** An extra choice large flowered mixed strain. Pkt., 25c.

8417 **X Munstead Strain.** A giant Polyanthus in many charming light shades. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.

8419 **Kleynii.** Lusty growth with many large golden yellow flowers, shaded apricot in center. Pkt. (60 seeds), 25c. Plants, 3 for 85c; doz., \$2.50.

8418 **X Lutea.** Yellow. Pkt., 15c.

Pueraria (Kudzu Vine)

Culture: A, B, D or E, Page 40

8425 **Thunbergiana (Jack - and - the - Bean - Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Pkt., 10c.

For Roots, see Page 94.

Ranunculus (Buttercup)

Culture: B, D or E, Page 40

Well-known double Buttercup, effective either as cutflower or grouped in the hardy borders.

Acris Fl. Pl. (Double Buttercup). May-June. Yellow. Plants, 3 for 85c; doz., \$2.50.

BABY ROSE (Miniature Fairy Rose)

8452 **Rosa Polyantha Nana.** 1 ft. Produces the first year from seed true Rosebushes bearing tiny double and semi-double white and pink flowers. Excellent for rock gardens, small beds, or borders or as pot plants. Pkt. (50 seeds), 25c.

8445 **ROMNEYA Coulteri.** 4 ft. Flowers large white, fragrant. Charming California Poppy. 15c.

Rudbeckia (Cone Flower)

Culture: B, D or E, Page 40

Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

Herbstwald Autumn Tints. See Novelty Pages.

Indian Maid. See Annual Pages.

Double Kelyvedon Star. See Annual Pages.

Laciniata Fl. Pl. 5 ft. Old-fashioned double Golden Glow. Plants, 3 for 85c; doz., \$2.50.

8460 **Speciosa (Newmanii).** 3 ft. Rich golden yellow with central black disc. Pkt., 15c.

Purpurea Grandiflora—See *Echinacea Purpurea*.

"The King." See Page 113.

Ruellia

Culture: B, D or E, Page 40

8450 **Ciliosa.** Starts to bloom in June and lasts till September. In form and coloring the flowers remind one of *Petunia Heavenly Blue*, with the same silvered sky blue and lavender reflections. Hardy and enduring perennial belonging to the *Acanthus* family. It likes full sun and hot dry places. Sown in very early spring will often bloom first year. Pkt., 25c.



8403 **PRIMULA Auricula.** Pkt., 25c. Plants, 3 for \$1.00; dozen, \$3.50.

Salvia

Culture: B, D or E, Page 40

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. Grow on dry side and without fertilizer. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.

8470 **Argentea.** 3 ft. June. Biennial, silvery white foliage, pyramids of yellow flowers. Pkt., 10c.

8471 **Azurea Grandiflora.** 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Pkt., 15c.

Officinalis. Sage for seasoning. Plants, 3 for 65c; doz., \$2.50.

8477 **Pratensis.** 2 ft. A violet blue. Pkt., 10c.

8478 **Verbascifolia Syria.** 5 ft. Makes a bold clump of foliage. Flower spikes 18 in. tall. Flowers dark blue. Pkt., 25c.

8480 **Patens.** 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Saxifraga (Megasea)

Culture: B, D or E, Page 40

The Saxifrages are one of the largest families of plants connected with rock gardening.

8483 **X Aizoon.** 6 in. Cream. Pkt., 25c.

8483A **X Cordifolia.** Light pink. 1 ft. May. Pkt., 35c.

8485 **X Mossy Varieties and Species, Mixed.** 25c.

8484 **X Perennial Species, Mixed.** Pkt., 25c.

8495A **X SCUTELLARIA (Helmet Flower).** *Baicalensis Coelestina.* 15 in. Blue. Pkt., 25c.

Saponaria

Culture: B, D or E, Page 40

8482 **X Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. Pkt., 10c.

Sedum

Culture: B, D or E, Page 40

The species varies in habit from dwarf, creeping plants to those of larger growth, as the Spectable grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth, with more or less fleshy leaves. The dwarf kinds do well as edgings to borders, and others are suitable for grouping in the border.

8501 **X Acre (Golden Moss).** 3 in. A low spreading mossy growth. The bright yellow flowers completely cover the plants in June. Pkt., 25c.

8501A **Aizoon.** 10 in. Yellow and brown, for rocks and borders. July. Pkt., 25c.

8502 **X Coruleum.** 3 in. Pale blue. Pkt., 25c.

8504B **Mixed Many Species.** Pkt., 25c.

8507A **X SEMPERVIVUM (Hen and Chickens).** Perennial Hybrids Mixed. Pkt., 50c.

8506 **SENECIO Clivorum Orange Queen.** Tall growing bright orange. 4 ft. Pkt., 25c.

Sidalcea

Culture: B, D or E, Page 40

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes.

8497 **Rosy Gem.** 4 ft. Mallow rose, very fine. Pkt., 15c.

8499 **New Hybrids.** Varying through light pink to deep rose. Pkt., 15c.

Silene (Catchfly)

Culture: B, D or E, Page 40

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8508 **Alpestris.** 6 in. May to July. Sheets of glistening white flowers. Pkt., 25c.

8510 **Orientalis.** 2 ft. Deep rose flowers in terminal umbels. Pkt., 15c.

8509 **X Schafta.** 4 in. July-October. Bright rose. One of the best autumn border plants. Pkt., 15c.

8509A **Saxifraga.** 10 in. June to Aug. Flowers yellow, reddish-brown underneath. Pkt., 25c.

Statice (Sea Lavender)

Culture: B, D or E, Page 40

They are stemless, the leaves springing direct from the root stock; and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 **Caspia.** The multitude of small flowers composed in spikes 2 to 3 ft. long, tender lilac. Pkt., 15c.

8515A **Dumosa.** It forms densely packed cushions of pure silvery grey flowers. Their stems are stiff and wiry; the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 **Latifolia.** 2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c.

8517 **Perezii.** Rich bright blue. Pkt., 25c.

8518 **Tatarica.** White, useful for drying. Pkt., 15c.

Stokesia (Stokes' Aster)

Culture: B, D or E, Page 40

Large flowers, resembling a single Aster, prefer a light soil, and some winter protection.

8525 **Cyanea.** 18 in. July-Oct. Flowers rich blue. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8526 **Alba.** Blush white. Pkt., 15c.

8535 **Mixed.** Blue and white. Pkt., 15c. Blue Moon. See Page 114.

Thermopsis

Culture: B, D or E, Page 40

8548 **Caroliniana.** 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Pkt., 25c.

THRIFT. See *Armeria*.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 40

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8540 × **Adiantifolium**. 18 in. June-July. Light plumes of small whitish flowers. Pkt., 10c.

8541 **Aquilegifolium**. (Feathered Columbine.) Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c.

8545 **Dipterocarpum**. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

8546 — **Album**. A beautiful white form of the lovely border perennial, which comes fairly true from seed. Pkt., 20c.

8547 **Glaucum**. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Pkt., 15c.

Thymus (Mountain Thyme)

Culture: B, D or E, Page 40

8549 × **Serpyllum**, **Wild Thyme**. Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. Pkt., 25c.

8549A — × **Coccineum**. 2 in. Matted, dark green foliage; dark red flowers. June-July. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8538 × **TEUCRIUM Chamaedrys**. 8 in. Rose, grey leaves. Pkt., 35c.

Tritoma, Red Hot Poker

Culture: B, D or E, Page 40

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8556 **Hybrida Early-Flowering Mixed**. These hybrids contain many interesting colors. Pkt., 25c.

8555 **Uvaria Grandiflora**. 4 ft. August-November. The ordinary red Tritoma. Pkt., 15c.

8558 **Pfitzer's Hybrids**. Orange scarlet. Pkt., 15c. Tritoma Plants. See Page 113.

Trollius (Globe Flower)

Culture: C, Page 40

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. Better sown in fall, as seed needs freezing to germinate.

8550B **Orange Princess**. Rich orange flowers 1½ to 2 in. in diameter, stems 1 to 2 ft. Pkt., 35c.

8551 **Ledebouri**. 2 ft. Orange flowers. Pkt., 50c.

8553 — **Golden Queen**. 3 to 4 ft. Bearing large flowers. Petals golden, anthers orange yellow, and flowers in autumn as well as early summer. It comes practically true to type from seed. Pkt., 50c. Plants, 3 for \$1.25; doz., \$4.00; 100, \$35.00.

8554 **Hybridus Mixed**. 20 in. Pkt., 25c.

Tunica

Culture: B, D or E, Page 40

8559 × **Saxifraga**. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c.

— **Pink Ball**. Dainty grass-like tufts of foliage for border or rockery. Very double, deep pink flowers, ¼ inch diameter, all summer. A charming novelty. 3 for \$1.00; doz., \$3.50.

Valeriana (Garden Heliotrope)

Culture: B, D or E, Page 40

8559A **Alba**. Pure white, fragrant. Flowers in June, one of the most charming perennials. Pkt., 10c.

8560 **Rubra**. 2 ft. Showy heads of Old Rose flowers in umbels on 12 inch stems. Pkt., 10c.

8561 **Mixed**. The above two. Pkt., 10c.

8562 **Officinalis**. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong Heliotrope odor. Pkt., 25c.



VERONICA (Speedwell)

Verbascum Mullein

Culture: B, D or E, Page 40

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8569A **Harkness Hybrids**. 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Pkt., 25c.

8568 **Hybridum, Miss Willmott**. The large white flowers are produced in stately spikes, rising 5 to 6 feet. July to frost. Pkt., 15c.

8567 **Olympicum**. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

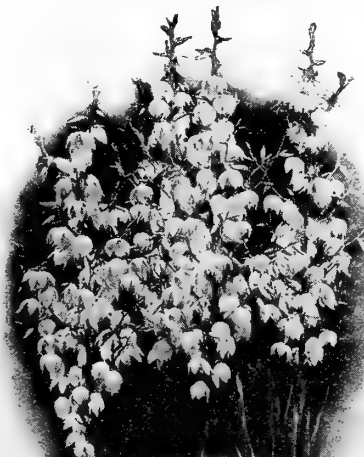
8569 **Phoeniceum Hybrids**. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Verbena

Culture: D, E or C, Page 40

Bonariensis. See Novelty Pages.

8566 **Canadensis**. 6 to 18 in. Keeps up a succession of rich purple flowers from June to September; is remarkably hardy. When it is in bloom, one would hardly believe that it could live over the Winter, as its frail spreading habit resembles that of a soft annual. However, towards the end of the season, it produces at its base a new compact growth of a woodier texture, which remains throughout the severest Winter weather. Pkt., 25c.



YUCCA Filamentosa

Yucca (Adam's Needle)

Culture: B, D or E, Page 40

8585 **Filamentosa**. 5-6 ft. or more. June-July. Broad sword-like evergreen foliage. The flowering stalks are 6 feet high, with large creamy white flowers. It likes loose dry soil and a warm situation. Pkt., 10c.

— **7-Year**. Plants, 3 for 85c; doz., \$2.50.

— **3-Year**. Plants, 3 for \$1.00; doz., \$3.50.

Veronica (Speedwell)

Culture: B, D or E, Page 40

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

8571 × **Amethystina**. 1 ft. June-July. Blue flowers in long racemes, dwarf tufted habit. Pkt., 25c.

8577 × **Incana**. Pretty silvery foliage, velvet flowers. 12 in. June-July. Pkt., 25c.

8576 **Longifolia**. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c.

8572 — **Hendersoni Nana**. 15 to 18 in. Flower spikes are a deep navy blue. Pkt., 25c.

8573 × **Repens**. 1 in. Useful carpeting plant. Blue. May-June. Pkt., 25c.

8570 **Spicata Blue**. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8574 × **Teucrium Royal Blue**. 12 in. May-June. Prostrate foliage, brilliant blue flowers. Pkt., 15c.

VERONICA Subsessilis (Japanese Speedwell). 2 ft. July-Sept. Conceded to be the best of the Veronicas. It blooms latest of all; the large spikes of dark blue flowers are borne on stiff stems well above the foliage. Plants, 3 for \$1.00; doz., \$3.50.

8575 **Perennial Varieties, Mixed**. Pkt., 15c.

8578 × **Prostrata, Mixed**. Blue and white. Trailing. June-July. Pkt., 25c.

Vinca Minor (Grave Myrtle) ×

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

Bowles Variety. A new European form, showing great improvement over the ordinary type. Larger and glossier leaves and flowers. The plant stays in bloom much longer, and the flowers are a charming intense shade of periwinkle blue. 3 for 85c; doz., \$2.50; 100, \$15.00.

Viola Cornuta

For Seeds—See Annual and Novelty Pages.

× **Jersey Gem**. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut flower. Plants, 3 for 85c; doz., \$2.50.

Wedgewood, New. See Page 113.

Viola (Violet)

Culture: C, Page 40

8581 × **Bosniaca**. Free blooming, small rose magenta flowers. Pkt., 25c.

Calcarata. See Novelty Pages.

Jovi. See Novelty Pages.

Nigra, or Black Imp. See Novelty Pages.

PLANTS OF HARDY SWEET VIOLETS

× **Frey's Fragrant**. Large deep purple single blooms, standing well above the heavy foliage. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

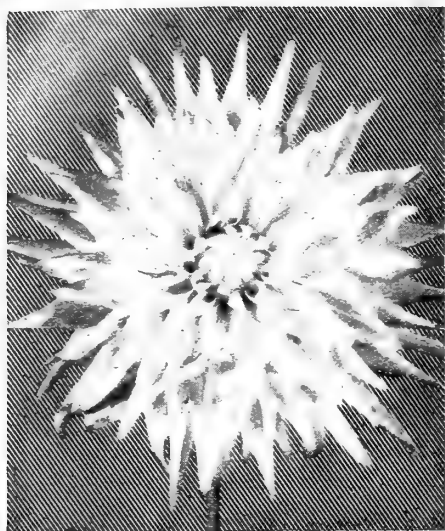
× **Florence**. Hardy single white, faint lavender markings. Fragrant, long stemmed blooms. Plants, 3 for 85c; doz., \$2.50.

× **Prince of Wales**. Grows anywhere. Large single, fragrant. Plants, 3 for 85c; doz., \$2.50.

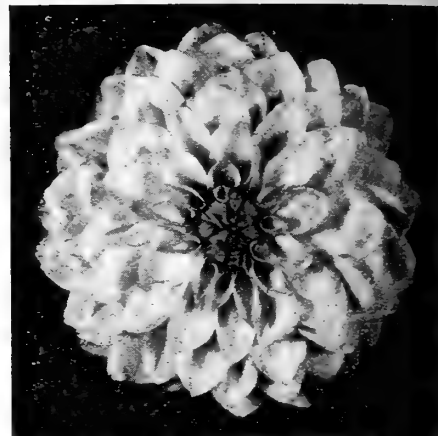
× **Double Russian**. The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. Plants, each, 35c; 3 for \$1.00; doz., \$3.50.

× **Rosina, New**. This charming variety has an abundance of very fragrant, rose-pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. Plants, each 35c; 3 for \$1.00; doz., \$3.50.

8589 **WISTERIA Chinensis Blue**. Climber, purplish pea-shaped flowers. Pkt., 10c.



BETTE DAVIS, Violet Rose. (Semi-Cactus)
Tubers, \$1.00. Plants, 50c.



SULTAN OF HILLCREST (Formal Decorative).
Tubers, Each, 50c; 3 for \$1.25.

Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants and Tubers** of the newer varieties and strong roots of proper planting size on all other varieties listed. Pot plants we do not advise planting before May 20th. With good care and soil, the pot plants make larger blooms.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus.

KEEPING CUT DAHLIAS

After cutting, strip the foliage except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the Dahlias are transferred to a pail of cold water and left in the cellar over night. We have found that they keep several days and increase in size.

Milton J. Cross. (I. D.) A clear sulphur yellow with shadings of burnt orange and coral shadings in the outer petals, giving a glowing appearance. Price, each, Tubers, \$1.00; Plants, 50c.

Mrs. Wm. S. Knudsen. (I. D.) An exhibition white. A strong, healthy grower with fine foliage. Price, each, Tubers, \$1.00; Plants, 50c.

Monarch of the East. It is a big, bold bloom, a real giant in the Dahlia world. Its color is a golden bronze with a coral red reverse. Try in the largest bloom class. Price, each, Tubers, \$1.50; Plants, 75c.

Murphy's Masterpiece. (I. D.) A dark red shading toward garnet, it will withstand sun without fading. The plant is a strong grower and producer of large blooms. Tubers, \$1.00; Plants, 50c.

Premier's Winsome. (I. D.) White suffused with mallow pink. A Dahlia of merit, with all the good qualities a Dahlia should have. A massive bloomer. Price, each, Tubers, \$3.00; Plants, \$1.50.

Purple Mist. (F. D.) Pure deep purple tending to a shade of burgundy. Long stiff stems. Strong grower with dark foliage. Tubers, \$1.00; Plants, 50c.

Robert L. Ripley. (I. D.) A beautiful color combination, rhodamine purple with rose suffusions throughout. Price, each, Tubers, \$1.50; Plants, 75c.

Rosy Morn. (I. D.) Here is a color long desired in Dahlias, a brilliant deep rose-pink. Long, straight stems. Price, each, Plants only, \$1.00.

Sunrays. (I. D.) Clear buff with apricot suffusion, with a distinct peach red reverse, strong sturdy grower. A great prize winner. Plants only, \$1.00.

Volcano. (F. D.) Color orange flame red. Its huge size along with its great vigor makes this Dahlia an outstanding one. Tubers, \$1.50; Plants, 75c.

SPECIAL OFFER 88. One tuber each of *Adolph Mayer*, *Katie K.*, *Lois Walcher* and *Monarch of the East* for \$4.85 Postpaid to 5th Zone.

SPECIAL OFFER 88A. One tuber each of *Fire Ball*, *Grand Master*, *Mrs. Wm. S. Knudsen* and *Murphy's Masterpiece* for \$3.25 Postpaid to 5th Zone.

FORMAL DECORATIVE TUBERS ONLY

Avalon. Pure, clear yellow with large flowers. Price, each, 25c; 3 for 65c.

Bagdad. An immense flower of flaming scarlet-red, borne high above foliage. Each, 35c; 3 for 85c.

Buckeye Bride. A geranium-pink, a rare and beautiful shade. The flower is large, held at a correct angle on the stem. Price, each, 50c; 3 for \$1.25.

Buckeye King. A very large glowing amber yellow on splendid stems. Price, each, 35c; 3 for 85c.

Cavalcade. A beautiful new shade of old-rose. Flowers on long stiff stems. Each, 50c; 3 for \$1.25.

Clara Barton. Face of petals silvery orchid, reverse of petals deep lavender. A very free bloomer. Price, each, 35c; 3 for 85c.

Clara Carder. A large cyclamen pink with a flush of yellow at the base. In a color class by itself. Price, each, 50c; 3 for \$1.25.

Francis La Rocco, Improved. Color primrose yellow. Strong grower. Price, each, 25c; 3 for 65c.

Gallant Fox. A brilliant red. Its keeping qualities, sturdy stem and fine color make it a valuable sort. Price, each, 35c; 3 for 85c.

Gertrude Brinton. True brick red. Large well shaped flowers carried on strong stems. Price, each, 25c; 3 for 65c.

Harry Mayer. Color is a silver-lavender with the reverse of the petals deep lavender. Sturdy growing habit. Price, each, 25c; 3 for 65c.

Jersey's Beauty. It is still in a class by itself. A perfect bloom of eosine pink, carried high on wiry stem. Price, each, 25c; 3 for 65c.

Kentucky. Orange sport of *Jersey Beauty* with traits of the parent. Price, each, 25c; 3 for 65c.

FORMAL DECORATIVE—Continued

King of the Blacks. Darkest rich velvet red, almost black. Compact, vigorous. Each, 35c; 3 for 85c.

Miss Oakland. Pure white. Perfect habit of growth, free flowering; unexcelled for cut flower or exhibition. Price, each, 75c; 3 for \$2.00.

Monmouth Champion. A brilliant orange flame. Extra large blooms carried on perfect stems. Price, each, 25c; 3 for 65c.

Mrs. Ide Ver Warner. A refined mauve-pink beautifully formed. Large blooms carried on long, strong wiry stems. Price, each, 20c; 3 for 50c.

Omar Khayyam. A Chinese red at the base of petals, shading to a bright orange with paler tips, giving a soft effect. Price, each, 35c; 3 for 85c.

Queen City. Light cherry red cut flower variety outstanding in color and keeping well when cut. Price, each, 75c; 3 for \$2.00.

Rose Fallon. Color dark orange tinted with amber and salmon. Price, each, 25c; 3 for 65c.

Rose Glory. Pure deep rose-pink. Free and early bloomer. Strong grower with long straight stems. Medium height. Price, each, 50c; 3 for \$1.25.

Sultan of Hillcrest. Color, strontian yellow with sunrise yellow reverse. The bush habits and foliage are perfect. Price, each, 50c; 3 for \$1.25.

Tacoma's Beauty. Deep salmon-pink blended with strawberry pink and shading to gold at base of petals. Price, each, 35c; 3 for 85c.

Thomas A. Edison. A royal purple with a brilliant rich finish. Price, each, 50c; 3 for \$1.25.

W. H. T. A rich old rose with mauve shading on reverse. Price, each, 25c; 3 for 65c.

White King. A pure white, large flowering. Free flowering on long stems. Price, each, 25c; 3 for 65c.

White Wonder. The giant blooms are pure white with long twisted and curled petals. Foliage thick, leather-like. Price, each, 35c; 3 for 85c.

SPECIAL OFFER 88A. One tuber each, *Bagdad*, *Buckeye Bride*, *Cavalcade*, *Miss Oakland* and *Sultan of Hillcrest* for \$1.85 Postpaid to 5th Zone.

SPECIAL OFFER 88B. One tuber each, *Jersey's Beauty*, *Harry Mayer*, *Monmouth Champion*, *Mrs. Ide Ver Warner* and *Rose Fallon* for 90c Postpaid to 5th Zone.

INFORMAL DECORATIVE TUBERS ONLY

Buckeye Glory. Color clear lavender to deep lavender. The bushes are extremely vigorous, with heavy foliage and fine habit of growth. The stems are of good length. Each, 75c; 3 for \$2.00.

California Idol. A giant clear yellow that can win in any class in which it may be entered. It is a splendid grower. This Dahlia will be a popular variety for years. Price, each, 75c; 3 for \$2.00.

City of Wellston. Rhodamine purple. Flowers large on long stems. Price, each, 25c; 3 for 65c.

Cornelia Bryce Pinchot. A glowing burgundy red of large size and perfect form. Price, each, 75c; 3 for \$2.00.

Dwight W. Morrow. An immense cardinal red—unusually rich in color and quality. Price, each, 50c; 3 for \$1.25.

Great Eastern. Color is a blend of orange and reddish bronze. Blooms very large on strong stems. A free bloomer. Price, each, 75c; 3 for \$2.00.

Hunt's Velvet Wonder. Color is a rich violet purple. The huge blooms can be grown to immense size. A strong grower with striking foliage. A good exhibition variety. Each, 50c; 3 for \$1.25.

Jane Cowl. A large flower of warm buff and old gold, blending to a bright salmon at the center. Price, each, 25c; 3 for 65c.

Outstanding Dahlias of Late Introduction

The following can be supplied in tubers and plants except where noted. Pot plants ready about May 20th.

Adolf Mayer. (F. D.) Very dark red, almost black. A real sensation. It is a clean strong grower. Price, each, Tubers, \$1.50; Plants, 75c.

Bette Davis. (S. C.) Bright, deep violet rose with slightly darker center. Flowers facing on long stems. Price, each, Tubers, \$1.00; Plants, 50c.

Bernice Geer. (Str. C.) Color, gorgeous old-rose. Fine stems, beautiful clean foliage, grows without encouragement. Price, each, Tubers, \$1.50; Plants, 75c.

Cherokee Brave. (I. D.) Ox-blood red that holds its color in the sun. Long stiff stems. Strong grower with heavy foliage. A prize winner. Price, each, Tubers, \$2.00; Plants, \$1.00.

Director M. A. Howe. (F. D.) Color—general effect Velvety Tyrain-rose; in detail, the color is a cardinal red overlying mulberry. Strong stems, bloom facing. Price, each, Plants only, \$1.00.

Director Carl G. Dahl. (I. D.) Apricot buff shaded old rose or reverse of petals and center. A healthy robust bush which blooms in profusion. Is always a contestant. Price, each, Tubers, \$1.50; Plants, 75c.

Darcy Sainsbury. (F. D.) Its large size and pure white color make it a standout in the garden. A good grower, free bloomer and fairly tall bushes. Price, each, Tubers, \$1.50; Plants, 75c.

Fire Ball. (F. D.) Color brilliant scarlet which does not fade in the sun. While the blooms are not gigantic, they have great depth, borne above fine clean foliage. Price, each, Tubers, \$1.50; Plants, 75c.

Freckles. (I. D.) Lemon-yellow, striped blotched and speckled scarlet irregularly distributed over the yellow ground color. Blooms large with stiff wire stems. Price, each, Tubers, \$1.00; Plants, 50c.

Golden Beauty. (I. D.) A very large, well formed flower of apricot yellow splashed jasper pink. Price, each, Tubers, \$1.50; Plants, 75c.

Grand Master. (F. D.) A deep bronze shading to orange at the center. Long, strong stems and heavy foliage. Each, Tubers, \$1.00; Plants, 50c.

Greater Glory. (S. C.) A large rose-pink, shading lighter. Stems are long and strong and plant growth very thrifty. Tubers, \$1.50; Plants, 75c.

Haslerova. (F. D.) Color is a very pale lavender, almost white with reddish-purple streaks and pencillings always in bloom. Tubers, \$1.00; Plants, 50c.

Incandescent. (I. D.) Color is rich rosy buff, suffused yellow and light old-rose. A profuse bloomer on long, strong stems which hold the giant flowers well above the foliage. Tubers, \$1.00; Plants, 50c.

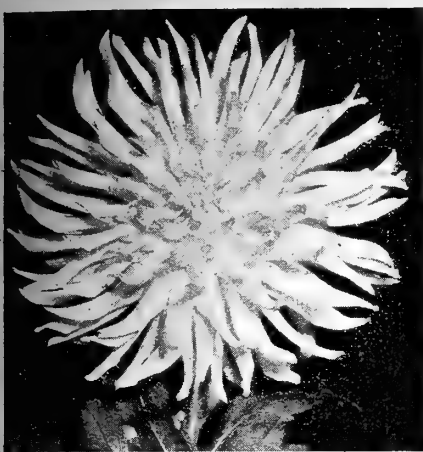
Katie K. (I. D.) A clear pink of large size on long stem. One of the best exhibition pinks. Price, each, Tubers, \$2.00; Plants, \$1.00.

Kentucky Sportsman. (I. D.) Color, gold, shading to apricot-yellow and then to a distinct orange, ending with white tips. Tubers, \$1.50; Plants, 75c.

Lois Walcher. (F. D.) Color, deep amaranth purple that breaks sharply into pure white. The stems are ideal. The healthy bush is an early and prolific bloomer. Price, each, Tubers, \$1.50; Plants, 75c.

Margie Parella. (F. D.) Pure white. Blooms will open full in the hottest weather without being bruised or burnt. One of the best white cut flower varieties. Price, each, Tubers, \$3.00; Plants, \$1.50.

Michigan White. (F. D.) A commercial white variety. Very profuse bloomer with long, cane-like stems. Price, each, Tubers, \$1.00; Plants, 50c.



SATAN. Giant Red Semi-Cactus.
Each, Tubers, 50c.

DAHLIAS—Informal Decorative—Continued

Jersey's Beacon. The color is Chinese-scarlet with a paler reverse, giving a two-toned effect. Price, each, 25c; 3 for 65c.

Kemp's Violet Wonder. A rich violet with underlying tone of royal purple. Each, 35c; 3 for 85c.

Kentucky Red. A brilliant scarlet—there is no color just like it. The bush is a strong grower. Price, each, 35c; 3 for 85c.

Leland Stanford. (I. D.) A free-blooming big red. The color is a striking cardinal, a true, glistening, brilliant red without shading. Best of all, it does not fade in the sun. Price, each, 75c; 3 for \$2.00.

Lord of Autumn. (I. D.) A rich deep golden yellow. A strong grower with cane-like stems, carrying the blooms well above the foliage. Price, each, 75c; 3 for \$2.00.

Mary Baker. A deep butter colored yellow, early bloomer, medium height bush. Price, each, 50c; 3 for \$1.25.

Margaret Woodrow Wilson. Face of petals—creamy white, reverse Phlox-pink. Medium height bush. Price, each, 20c; 3 for 50c.

Mrs. Geo. Le Boutillier. A rich velvety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower. Each, 50c; 3 for \$1.25.

Oakleigh Monarch. A clear, brilliant cerise red. Very large blooms of great depth which keep well when cut. Strong, rugged grower. Price, each, 75c; 3 for \$1.25.

Oriental Glory. Color is cadmium orange overlaid with scarlet. Center and reverse heavily shaded scarlet. Price, each, 35c; 3 for 85c.

Prince of Persia. Rich glowing crimson. Great size and substance. Strong grower. Each, 35c; 3 for 85c.

Sagamore. A fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose. Price, each, 25c; 3 for 65c.

Sanhican's Bluebird. The outer petals at maturity are bright violet-blue, while the center retains the violet tint. Price, each, 25c; 3 for 65c.

Towers Empire. The color is clear gold with amber shadings. Stems are long and straight. An early and prolific bloomer. Price, each, 50c; 3 for \$1.25.

SPECIAL OFFER 89. One tuber each, Buckeye Glory, California Idol, Oakleigh Monarch and Towers Empire for \$2.15 Postpaid to 5th Zone.

SPECIAL OFFER 89A. One tuber each, Jane Cowl, Jersey's Beacon, Margaret Woodrow Wilson, Prince of Persia and Sagamore for \$1.00 Postpaid to 5th Zone.

SEMI-CACTUS TUBERS ONLY

Buckeye Star. Salmon or jasper pink with a golden yellow center and fine formations. Long stems and unusual keeping qualities. Each, 75c; 3 for \$2.00.

Golden Standard. The color is buff shaded to amber and gold. A fine variety of clean outstanding appearance. Price, each, 75c; 3 for \$2.00.

Gretal. Color is a bright hune orange. Medium size, early free bloomer. Each, 50c; 3 for \$1.25.

Jean Trimbee. Color of richest deep petunia violet, of immense size, borne well above the foliage on stiff rigid stems. Price, each, 35c; 3 for 85c.

Jersey's Dainty. A fine formed white of medium size with fine stems. A good exhibition and cut flower. Price, each, 35c; 3 for 85c.

Jessica Dragonette. Beautiful color combination of peach, apricot, and mauve. The plant growth is full and strong. Price, each, 75c; 3 for \$2.00.

SEMI-CACTUS—Continued.

Josephine G. A beautiful, true rose-pink flower with petals tipped yellow. Each, 25c; 3 for 65c.

Kay Francis. A light lemon yellow with good stems and perfect flowers. Free bloomer. Price, each, 50c; 3 for \$1.25.

Red Jug. Dark cardinal red in color sometimes with petals tipped gold. Blooms are of large size carried on long stiff stems. Price, each, 50c; 3 for \$1.25.

Rudy Vallee. Reddish apricot, gold center. It has size, beauty, keeping qualities and is very attractive. Growth vigorous. Price, each, 50c; 3 for \$1.25.

Satan. A flaming red with a slight touch of gold at the center. Strong grower with heavy foliage. Price, each, 35c; 3 for 85c.

Star of Bethlehem. Flowers are pure white with fine pointed petals with large tight center. Free bloomer and needs disbudding. Each, 35c; 3 for 85c.

SPECIAL OFFER 89B. One tuber each, Buckeye Star, Jean Trimbee, Jersey's Dainty, Josephine G, and Satan for \$1.40 Postpaid to 5th Zone.

STRAIGHT CACTUS TUBERS ONLY

Countess of Lonsdale. A delicate apricot shading towards the edges of the petals to carmine-pink. Early. Price, each, 35c; 3 for 85c.

Dulcinea. A pure spectrum red in a beautiful straight cactus. A profuse bloomer on long straight stems. Price, each, 75c; 3 for \$2.00.

SPECIAL OFFER 89C. One tuber each of the above two varieties for 80c Postpaid to 5th Zone.

DWARF DAHLIAS FOR THE GARDEN

This race of Dahlias has remarkable value for garden planting and home decorations. The plants form compact bushes seldom more than two feet high. They begin flowering when only a foot high and flower continuously from early summer till frost.

Christine. Pure white dainty flowers of small size are very freely produced. Each, Tubers, 35c; 3 for 85c.

Easter Greeting. Pure waxy white blooms held erect on good stems. Price, each, Tubers, 35c; 3 for 85c; Plants, 25c.

Gertrude. Clear sulphur-yellow. Good size, very compact as a pot plant or in the border. Price, each, Tubers, 35c; 3 for 85c; Plants, 25c.

Kate. Bright orange scarlet showy flowers. Price, each, Tubers, 35c; 3 for 85c; Plants, 25c.

Marie. Color white. An improved type Easter Greeting producing larger flowers which are more double. Each, Tubers, 35c; 3 for 85c; Plants, 25c.

Ursella. An intense crimson with carmine reverse. Price, each, Plants only, 25c.

SPECIAL OFFER 89D. One tuber each, Easter Greeting, Gertrude, Kate and Marie for \$1.00 Postpaid to 5th Zone.

MINIATURE DAHLIA TUBERS ONLY

These small type Dahlias have become popular owing to their usefulness. Can be planted in garden, border or beds fairly close, about 20 to 24 inches apart. Their freedom of bloom and keeping a long time when cut make them ideal for arrangements.

Baby Beauty. (F. D.) Color bright pink with salmon suffusion. Flower about three inches in diameter. Bushy plants grow about two feet high. Price, each, 35c; 3 for 85c.

Baby Royal. (S. C.) One of the finest miniatures of salmon-pink shaded apricot. A good cut flower. Price, each, 20c; 3 for 50c.

Bishop of Llandoff. (Duplex.) Brilliant rich red blooms, in contrast to the dark bronze-black foliage, make it outstanding. Each, 50c; 3 for \$1.25.

Buckeye Baby. (F. D.) Gold buff. Early, long lasting and one of the most successful for exhibition and cutting. Price, each, 50c; 3 for \$1.25.

B. Von Valkenberg. (F. D.) Lavender. Free bloomer and compact grower. Each, 50c; 3 for \$1.25.

Coronne. (F. D.) Pure white. Strong grower. Price, each, 50c; 3 for \$1.25.

Fairy. (F. D.) Described as a miniature Jersey-Beauty, but lighter in color. A violet-rose shading mauve at tips. Price, each, 25c; 3 for 65c.

Kentucky Baby. (F. D.) Gold buff with red reverse. A small miniature. Each, 50c; 3 for \$1.25.

Little Jewel. A beautiful peach blossom pink. Price, each, 50c; 3 for \$1.25.

Nesthakchon. (I. D.) Color buff suffused soft lilac. An artistic miniature when pastel shades are desired. Price, each, 35c; 3 for 85c.

Orchid Lady. (F. D.) Orchid pink. Strong grower with good stems. Price, each, 35c; 3 for 85c.



MINIATURE AND POMPON DAHLIAS

MINIATURE—Continued.

Sanhican's Sweetheart. (S. C.) Color ochreous buff suffused rose-red. Low growing bushes always covered with blooms. Price, each, 35c; 3 for 85c.

Sylvia. (F. D.) A beautiful garnet red with fine stem. A good grower. Price, each, 75c; 3 for \$2.00.

SPECIAL OFFER 89E. One tuber each, Baby Royal, Bishop of Llandoff, Buckeye Baby, Fairy, Little Jewel and Nesthakchon for \$1.25 Postpaid to 5th Zone.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

Price any of the following, each 20c, 3 for 50c, 12 named varieties, our selection for only \$1.65.

Amber Queen. Amber suffused with apricot.

Bacchus. Clear, bright red, rounded and full.

Bronze Beauty. Gold apricot. Fine cut flower variety.

Brennen's Red. Dark red with fine stem.

Catherine. Bright yellow. Good form and stem.

Edith Mueller. Beautiful rose-red blended with rich yellow.

Eureka. Yellow shading to bronze.

Golden Beauty. Bright yellow with full center and strong stem.

Little Herman. Deep red, tipped white; very free.

Mary Munns. Fuchsia with dark orchid sheen.

Nora Reynolds. Indian red.

Rosa Wilmoth. Small, fine formed rose-pink.

Snowclad. The best pure white pompon.

Taka's Purple. Small, fine formed, cerise purple.

SPECIAL OFFER 89F. One tuber each of Bacchus, Catherine, Eureka, Little Herman, Rosa Wilmoth and Snowclad for 95c Postpaid to 5th Zone.

Dahlia Tubers. To color. In white, pink, yellow, red, variegated and lavender. Price, each, 15c; doz., \$1.50, postpaid.

SHOW OR BALL SHAPED

Price any of the following, each 20c, 3 for 50c, 6 for 90c, except where noted. Tubers only.

A. D. Livoni. A beautiful soft pink flower with quilled petals.

Charlotte Caldwell. Bright orange with shading of terra cotta. Fine foliage and good growth. Always a winner. Price, each, 75c; 3 for \$2.00.

Gold Medal. Autumn coloring, deep yellow, tipped dark crimson. A striking flower.

Mary Helen. A primrose colored ball. One of the best ball type.

Mrs. C. D. Anderson. Rich, clear purple.

SPECIAL OFFER 89G. One tuber each of the above five varieties for \$1.10 Postpaid to 5th Zone.

Two Tropical Water Lilies

Prepaid 600 Miles 3.50
Value \$4.50

One each Mrs. James, finest pink; and Frances B. Griffith, royal purple (see below for descriptions of these outstanding varieties).



WATER LILY, MRS. W. R. JAMES

COLLECTION FOR TUB OR SMALL POOL. Complete..... \$200

One dwarf water lily (our selection of variety, but your choice of color: pink, yellow, red, changeable, or white); also two floating plants, three submerged aquatic plants, and six Iris versicolor for the edge of the pool. (By mail, add 15c for postage.)

COLLECTION FOR AVERAGE SIZE POOL. Complete..... \$375

Two hardy water lilies (our selection of variety, but your choice of colors: white, red, pink, changeable, or yellow); also six floating plants, three bunches of submerged aquatic plants, and six assorted bog plants for marginal planting. (By mail, add 25c for postage.)

Tropical Water Lilies

Although these cannot be set out until after June 1st in the vicinity of Chicago, by August 1st they have produced dozens of huge flowers. Must have warm water with full exposure to sun. All listed are day bloomers.

August Koch. Small, but lovely lavender flowers. Free. \$2.00.

Frances Beardsley Griffith. Outstanding royal purple. \$2.25.

Mrs. W. R. James. A larger, better pink than Pershing. \$2.25.

Mrs. Edw. Whitaker. The largest sky blue, very free. \$2.00.

Mrs. George Pring. The most satisfactory white tropical. \$2.00.

Pink Pearl. Bright pink, free flowering and vigorous.

Three Hardy Water Lilies \$3.00

Prepaid 600 miles. Catalogue Value \$6.25

One each of the three choicest in their colors, Somptuosa, giant pink; Sioux, vivid red; Gonnere, snowball white (see below for full descriptions of these marvelous hardies)

Hardy Water Lilies

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals.

HARDY WATER LILIES

Attraction. (Garnet-red with ruby shading.) Standard high-quality red. \$2.00.

Chromatella. (Pure canary yellow.) Very free, vigorous. \$1.25.

Escarboucle. (Bright crimson and scarlet.) Striking color. \$2.00.

Gloriosa. (Deep carmine-rose.) Free and vigorous. \$1.75.

Gonnere. (Pure white.) A snowball with over 80 petals. \$2.00.

Hermine. (Pure white.) Best white for small pools. Long buds. \$1.50.

James Brydon. (Rose-crimson.) A fine red, free. Small growth. \$1.75.

Marliac Rose. An old but satisfactory free blooming pink. \$1.25.

Marliac White. (Ivory white.) An old favorite, always good. \$1.00.

Paul Harlot. (Changeable.) Opens soft yellow, deepens to apricot. \$1.50.

Sioux. (Changeable.) Largest sunset-color. Opens brassy yellow, deepens to blood red. \$2.00.

Somptuosa. (Pink.) Largest of all true pinks. Spectacular. \$2.25.

Peonies

Peonies may be planted in Spring with good results, but they should be put in early. Orders should be sent at once so that we can forward when weather permits.

CHOICE VARIETIES

EXTRA LARGE BLOOMS

Alsace Lorraine. Very charming and beautiful variety with petals arranged like a water-lily. Color is rich, creamy white, center tinted Havana brown. 75c.

Jubilee. Extremely large, flat flowers of ivory-white. Early. 75c.

Karl Rosefield. Mammoth blooms of rich velvety crimson; early midseason. 60c.

Reine Hortense. One of the finest of all Peonies. Very large flowers of beautiful light pink. 75c.

Sarah Bernhardt. Beautiful dark rose-pink. One of the largest and best Peonies in the world. 75c.

Special Offer No. 90. One each of the above 5 Peonies (value \$3.60) for \$2.00, prepaid 600 miles from Chicago.

Officialis Rubra Plena. This is the old-fashioned, very early brilliant red peony. 75c.

Tenuifolia Flore Pleno. A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Very rare and always scarce. Should be mulched the first winter after planting. \$2.00.

GOOD PEONIES AT BARGAIN PRICES

Any of the following, 40c each; 3 for \$1.00; prepaid for 300 miles from Chicago.

Felix Crousse. Dazzling ruby-red; midseason.

Grover Cleveland. Rich dark crimson; late.

Mad. de Verneville. Beautiful flowers of blush white. June rose fragrance; early.

100 Strawberry Plants, \$1.50

Strong Field Grown Plants, Shipped from Early Spring up to May 15

AROMA. Late. One of the most popular late varieties. Berry is roundish, conical, smooth and of a beautiful bright glossy red.

COOPER. Midseason. The large size and the beautiful brilliant color of the berries immediately attract the attention of every one. This variety is adaptable to a wider range of soils and climate than any other variety.

DR. BURRELL. Midseason. The berries are large, delicious and beautifully formed. It ripens a few days earlier than Dunlap.

GIBSON. Medium early. Color rich red. Flavor is neither sweet nor sour, but just right for canning.

PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.

SENATOR DUNLAP. Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower.

PRICE, on the above varieties, postpaid up to the 4th zone, 25 for 60c; 100 plants for \$1.25. Postpaid from 4th zone to 8th zone, 25 for 65c; 100 for \$1.35. By express, at buyer's expense, 250 for \$2.50; 500 for \$4.50; 1,000 for \$8.00.

Special Offer No. 90.

A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

TWO NEW INTRODUCTIONS

DORSETT. Early. Will undoubtedly be a leader among early, heavy cropping varieties.

FAIRFAX. Medium early. Rich in flavor, uniformly large fruit in abundance.

PRICE, 25 for 75c; 100 for \$1.50, postpaid to 4th zone, 500 for \$5.00; 1,000 for \$9.00, by express.

MASTODON (Everbearing). The world's greatest everbearer, because nothing like it was ever achieved before, producing nearly 6,000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list.

Price, 25 for 90c; 100 for \$2.50, postpaid to 4th zone, 250 for \$4.75; 500 for \$8.00; 1,000 for \$15.00, by express.

Four Choice New Grapes \$1.00

One each of 4 varieties listed, prepaid 600 miles from Chicago.

CACO (Red). This is the most beautiful of the hardy grapes. The bunches are large and compact, of good size and form, color wine-red with abundant bloom. Fruit is sweet and palatable weeks before fully ripe.

FREDONIA (Black). The earliest good black grape, ripening about three weeks before most varieties. Clusters of medium size and compact; the berries large, with firm tender flesh of very good quality.

Price of above 4 varieties, 2 yr. No. 1., 40c each; 3 for \$1.00.

PORTLAND (White). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

SHERIDAN (Black). Probably the most valuable grape sent out by the New York Experiment Station, as it is expected to replace Concord, which it surpasses in many regions. Large in bunch and berry; keeps and ships well. Good quality.

New Giant-Flowered Fragrant Gladiolus



GLEN LAKE. Each, 35c.



MICHIGAN. Each, 35c.



CARRIE JACOBS BOND

VAUGHAN'S 1941 INTRODUCTION

Carrie Jacobs Bond

Our new fragrant Gladiolus, Carrie Jacobs Bond, made its bow at the Michigan Gladiolus Show in Jackson, Mich., last August.

For years, breeders have worked to transmit the quality of fragrance, found only in small, yellowish Gladiolus Tristis, to the giant flowered type.

One of the most persistent workers has been Harry Oven, manager of Vaughan's Gladiolus Farms, who went to the Jackson show last summer realizing that he had achieved his goal. The thousands of visitors who admired the new variety, and scented its fragrance, agreed with him.

Mr. Oven describes it: "A rose-red, with white veins on lower two petals; throat stippled white. Florets 4 inches across, borne on slender, wiry stem. It grows 3½ feet tall, blossoms in 65 days, is a vigorous grower and a good propagator. The fragrance suggests that of violets and is the strongest of any large flowered Gladiolus I have seen. The fragrance from a bouquet of this variety will delicately perfume a room."

Each, 75c; Doz., \$7.50

Recent Introductions

Chamouny (Baerman). Ex. An outstanding decorative variety. Rich, light cerise rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Each, 40c; doz., \$4.00.

Coral Glow (Ellis). Ex. A rather unusual shade of rich coral orange; will open six or more extra large bloom of perfect placement and heavy substance; a particularly strong growing variety. Each, 25c; doz., \$2.50.

Glen Lake (Vaughan). Ex. This is the finest variety yet produced of the much desired orchid-lavender coloring. In effect it is a self color, paler than Minuet, with markings negligible and only in the deep throat. Stem is tall and strong, florets faced well and overlapping, six to eight open at once. It is earlier than Minuet, opens better, is a far better propagator. This is a fine, tall growing variety for the garden, but of exceptional value for cut flower arrangements, both for room decoration and for the costume. Each, 35c; doz., \$3.50.

Helen of Troy (Salbach). (Patented) Ex. A truly magnificent flower; in color a lively peach-toned apricot with soft carmine throat markings; seven or more giant sized blooms on strong stiff spikes. A real "champion" Each, \$1.00; doz., \$6.00.

Michigan (Vaughan). Ex. Grows uniformly 4-5 ft. tall, with a strong spike which stands upright without staking, its magnificent flower plumes are composed of florets 5 inches across, overlapping and facing perfectly, with 10 to 13 open before the lowest floret fades. It is without superior in size and perfection of form. Outside of petals, a strong salmon-red; inside, an orange salmon; the whole effect being a vivid salmon-pink, many tones deeper than Picardy. Throat and small blotch on lower petal are lemon-yellow, blending with and softening the general effect. An exhibition variety of the first rank. Each, 35c; doz., \$3.50.

Marguerite (Pommert). Ex. Makes a massive spike of deep watermelon pink, with cream throat. Tall spike with unusually long flower-head. Due to its exceptional lasting qualities makes it a good cut flower. Each, \$1.00; doz., \$11.00.

Oregon State (Bones). Ex. Salmon-pink with cream throat. Remarkably good substance, standing in good condition two days longer than Picardy. Florets face one way, which makes it a good cut flower variety. Each, 25c; doz., \$2.50.

Vredenburg (Pfizer). Ex. A very vigorous new white that should be of great value, particularly because it is very early, size of blooms, and placement of florets. Each, 20c; doz., \$2.00.

General Gladiolus List

PINK AND ROSE

Affame (Hornberger). Ex. Giant begonia rose. Each, 6c; doz., 60c; 100, \$4.00.

Betty Nuthall (Salbach). Ex. One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. A beautiful large-flowered variety. Ea., 5c; doz., 50c; 100, \$3.00.

Betty Weinstock (Vaughan). Dec. Fine beautiful pink. Prize winner at all shows. Each, 10c; doz., \$1.00; 100, \$7.00.

Cactus Rose (Kellogg). Ex. Rich velvety purplish red, just like cactus blooms of the western deserts. Each, 6c; doz., 60c; 100, \$4.00.

Colossus (Mitsch). Ex. A very large Gladiolus. Color rich pink with small red feather on cream ground on lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

Conquest (Mitsch). Dec. Light salmon-pink, cream blotches, ruffled. Each, 15c; doz., \$1.50; 100, \$10.00.

Debonair (Palmer). Ex. La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 5c; doz., 50c; 100, \$3.00.

Detroit (Vaughan). Ex. Fully developed flowers often measure five inches across, compactly arranged on the spike. The color is light pink with deeper pencilings of light crimson. Each, 25c; doz., \$2.50.

Early Dune (Vaughan). Ex. An early Betty Nuthall, 70 to 75 days. Salmon-orange shading to lighter in throat, with two small carmine spots on the throat petal. Tall straight spike, flower well placed, 10 to 12 open at one time. Each, 6c; doz., 60c; 100, \$4.00.

Early Melody (Arenius). Ex. Early pinkish lavender. Each, 8c; doz., 75c; 100, \$5.00.

Early Peach (Pruitt). Dec. Peach-red blending to ivory in throat. Each, 8c; doz., 75c; 100, \$5.00.

Edith Mason (Vaughan). Ex. Delicate geranium-pink, an exquisite color. Each, 6c; doz., 60c; 100, \$4.00.

Edith Robson (Australia). Ex. Light salmon-rose with reddish blotch. Very tall, strong growing plant with immense spike of bloom. Each, 6c; doz., 60c; 100, \$4.00.

Frank J. McCoy (Briggs). Ex. Immense, tall, strong spike of pure pink. Each, 8c; doz., 75c; 100, \$5.00.

Heritage (Ristow). Ex. Very large warm pink, throat lighter, with white midribs on lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

Hillsdale (Vaughan). Ex. True Tyrian rose, shading darker toward outer edge of petals, lighter toward throat; back of petals delicately traced with minute white lines. Darker feather on two lower petals. Tall, strong spikes. Blooms in early mid-season. A valuable addition to a color class with few outstanding varieties. Each, 25c; doz., \$2.50.

Johannes Sebastian Bach (Pfizer). Ex. Salmon, shading, bit lighter in throat. Tall and strong. Well arranged flower-head, 10 to 12 open at once. Each, 8c; doz., 75c; 100, \$5.00.

Ludington (Vaughan). Dec. (Salmon-Pink.) A deep salmon-pink, clear and luminous, spread evenly over the petals. Pale in the throat with a small red blotch deep in throat of lower petal. 10 buds, 4 open. An ideal plume. 3 ft. high. Each, 10c; doz., \$1.00; 100, \$7.00.

Lustre (Kunderd). Ex. A tall large flowered variety of brilliant orange-vermilion. Each, 5c; doz., 50c; 100, \$3.00.

Miss J. Nathan (Whiteley). Dec. Rose-pink, cream throat spotted crimson. Very large spike. Each, 25c; doz., \$2.50.

Margaret Fulton. Dec. Early salmon-pink. Each, 5c; doz., 50c; 100, \$3.00.

Mildred Louise (Wentworth). Ex. Prevailing color is a pure salmon (strawberry) pink, self on upper petals with lower petals tipped strawberry-pink, blending to pinard-yellow in the throat. The stem is strong and flexible. Each, 6c; doz., 60c; 100, \$4.00.

Miss Alameda (Salbach). Dec. Large deep salmon pink with carmine blotch. Tall spike. Each, 8c; doz., 75c; 100, \$5.00.

Miss New Zealand (Julyan). Ex. Salmon-apricot, suffused rose with blotch of ripe peach. Giant of the Gladiolus. Each, 15c; doz., \$1.50; 100, \$10.00.

(★) This mark indicates the variety is of outstanding merit.

For Type Classification which is used at all Flower shows, we are marking each variety as follows: Ex.—Exhibition. Dec.—Decorative. S. D.—Small Decorative.

GLADIOLI—PINK AND ROSE—Continued.

Mrs. E. J. Heaton (Heaton). Ex. Glowing straw-
*ruff pink blended with some cream in throat.
Each, 6c; doz., 60c; 100, \$4.00.

Mrs. P. W. Sisson (Coleman). Dec. Immense,
*ruffled soft pink. Each, 5c; doz., 50c; 100, \$3.00.

New Era (Ellis). Ex. Beautifully ruffled rich pink,
cream throat. Tall spike, many florets open at one
time. Each, 15c; doz., \$1.50; 100, \$10.00.

Peggy Lou (Wilson-Evans). Ex. Smooth, deep
shrimp pink with a slight rosy cast and a slight
peppering of deeper rose in the throat. Each, 15c;
doz., \$1.50; 100, \$10.00.

Phyllis McQuiston (Stewart). Dec. A gorgeous
*pure pink. Each, 6c; doz., 60c; 100, \$4.00.

Picardy (Palmer). Ex. A most sensational flower
*of delicate apricot-pink. The individual florets are
all extremely large, slightly ruffled and of heavy
wax-like substance. Has created a sensation prac-
tically every time exhibited. Each, 5c; doz., 50c;
100, \$3.00.

Pink Medallion (Vaughan). Dec. Early pink
Prim. A true pure pink, lower petals have a canary
blotch with a feather of the same color as the
flower. It is exceptionally early, forces well, and is
a rapid propagator. Each, 5c; doz., 50c; 100, \$3.00.

Pride of Wanakah (Christ). Ex. Lavender-rose,
*deeper in throat. Each, 5c; doz., 50c; 100, \$3.00.

Queen Helen II (Salbach). Ex. Grenadine pink
with prominent pinard-yellow blotch and carmine
feathering deep in throat. Each, 6c; doz., 60c;
100, \$4.00.

Reverie (Palmer). Ex. Light pink, cream throat.
Each, 8c; doz., 75c; 100, \$5.00.

Rima (Mitsch). Dec. Lilac-pink with cream throat.
Seven large, well-placed florets open on tall spike.
An unusual and beautiful color. Each, 15c; doz.,
\$1.50; 100, \$10.00.

Rosemarie Pfitzer. Ex. Very light pink with faint
flecks of creamy hue. Slightly ruffled. Round,
*inverted type florets. Each, 8c; doz., 75c;
100, \$5.00.

Smiling Maestro (Christ). Ex. Deep salmon-rose,
flaked brown. Large exhibition type. Each, 8c;
doz., 75c; 100, \$5.00.

Sonatine (Pfitzer). Dec. Tall light pink, flaked
darker. Large blooms on stiff stems. Each, 8c;
doz., 75c; 100, \$5.00.

Trudel Grotz (Pfitzer). Ex. Salmon-pink with red
blotch. Each, 8c; doz., 75c; 100, \$5.00.

Winged Victory (Briggs). Ex. Very large pink.
Each, 6c; doz., 60c; 100, \$4.00.

W. H. Phipps (Diener). Ex. Enormous flowers of
*La France pink, overlaid with salmon-rose, lighter
towards the center. Each, 5c; doz., 50c; 100, \$3.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and
others. Doz., 50c; 100, \$3.00.

RED

Communist (Vaughan). Ex. Flaming red, lighter
*than Commander Koehli, more vivid than Dr.
Bennett, with a better spike than either. The
color is even except for deep crimson in the throat
and slight white veining, which enhance the effect.
The fourteen florets face forward and open over-
lapping, eight or more at once, making a plume of
fiery brilliance. Flowers in 100 days. Each, 35c;
doz., \$3.50.

Beacon (Palmer). Ex. Salmon-scarlet with creamy
*throat. Tall spike, eight florets open at once.
Each, 15c; doz., \$1.50; 100, \$10.00.

Bill Sowden (Fallu). Dec. Immense, massive
*ruffled, deep blood-red, usually flaked darker.
Each, 8c; doz., 75c; 100, \$5.00.

Commander Koehli (Pfitzer). Ex. An outstanding
*variety in form and color. Gigantic flowers of dark
scarlet, well formed, no blotches. Each, 6c; doz.,
60c; 100, \$4.00.

Diana (Zeestraten). Dec. Clear, rich blood-red,
well placed and beautifully formed. Each, 6c;
doz., 60c; 100, \$4.00.

Dr. F. E. Bennett (Diener). Ex. Scarlet throat
*stippled with ruby and white. Big, vigorous, a
ribbon winner. Each, 6c; doz., 60c; 100, \$4.00.

Graf Zeppelin (Pfitzer). Ex. Clear brilliant orange
scarlet. Each, 8c; doz., 75c; 100, \$5.00.

Mrs. Francis L. Karcher (Vaughan). Dec. Light
*salmon blending to an orange on outer edge of
petals, throat petals striped with crimson. Reflex
orange-crimson. Tall, straight spike, flowers well
placed, 6 to 8 blooms open, free bloomer, early.
Each, 6c; doz., 60c; 100, \$4.00.

Pfitzer's Triumph (Pfitzer). Ex. Salmon-red with
*darker blotch. Very large flower. Each, 6c; doz.,
60c; 100, \$4.00.

Pirate (Palmer). Ex. Shades of carmine and pome-
granate-purple. Each, 10c; doz., \$1.00; 100, \$7.00.

Red Lory (Errey). Ex. Red with purplish blotch.
*Fine for exhibitions. Each, 6c; doz., 60c; 100, \$4.00.

Red Phipps (Briggs). Ex. Really a pink overlaid
*scarlet. Each, 6c; doz., 60c; 100, \$4.00.



COMMUNIST, Best Red. Each, 35c.

THRIPS TREATMENT

Vaughan's bulb farms in Michigan and the
mountains of Tennessee are free from thrips.
This insect pest is prevalent in many sections,
however, and your planting may become in-
fested from some neighboring focus. If thrips are
known to be near you, prevention is advisable.
Rotenone sprays and dusts are effective. (See
page 102.)

The U. S. department of argiculture recom-
mends, after plants have reached 6 inches in
height, weekly spraying with the following for-
mula: $\frac{1}{4}$ lb. Tartar emetic, 1 lb. brown sugar,
6 gallons of water.

We will ship Tartar Emetic postpaid for $\frac{1}{4}$ lb.,
30c; $\frac{1}{2}$ lb., 50c; 1 lb., 90c.

RED—Continued.

Rewi Fallu (Fallu). Ex. Early deep blood-red.
Very large blooms on a tall straight spike. Each,
10c; doz., \$1.00; 100, \$7.00.

Southern Cross (New Zealand). Ex. Large, deep
*red. Very good color. Each, 8c; doz., 75c;
100, \$5.00.

Valeria (Pruitt). Ex. A very soft red with a nar-
row mark of light cream in the throat. Stands up
well in heat and dry weather. Five to seven large
ruffled flowers open at a time. Each, 20c; doz.,
\$2.00.

Wurtembergia (Pfitzer). Ex. Large scarlet with
*broad soft cream blotch. Each, 6c; doz., 60c;
100, \$4.00.

RED MIXED

Made up by ourselves from varieties listed and
others. Doz., 50c; 100, \$3.00.

**Vaughan's "Standard" Mixture \$1.00
50 Bulbs**

We do not send out any mixtures that will not make
a brilliant showing in the gardens of our customers.
This one will be found satisfactory everywhere, for
mixed beds, borders and masses. These are first-size
bulbs. Where wanted by mail add for postage at zone
rates, 100 bulbs packed, 6 lbs.

Price, doz., 35c, postpaid; by express, not prepaid,
50 for \$1.00; 100 for \$1.75; 250 for \$4.00; 500 for
\$7.50; per 1,000, \$14.00.

**Primulinus Hybrids Mixed \$2.50
100 Bulbs**

The range of colors is from the purest and lightest of
yellows to deepest orange and from the softest
shade of salmon-pink to rich crimson. On account of
their slender and graceful habit, delicate colors and
shape of the flowers, they are ideal for vases. Doz.,
50c; 100, \$2.50.

**Lake Geneva Collection
GLADIOLUS**

Ten each of the following ten rep-
resentative varieties of Gladiolus
(100 first size Bulbs) will
be sent postpaid, for . . . **\$3.75**

- 10 Minuet, Large Lavender
- 10 Chas. Dickens, Purple Violet
- 10 Dr. Bennett, Scarlet
- 10 Mother Machree, Smoky Lavender
- 10 Mary Shary, Clear soft primrose-yellow
- 10 Picardy, Apricot Pink
- 10 Maid of Orleans, Milky White
- 10 Red Lory, Red with Purplish Blotch
- 10 Pelegrina, Violet Blue
- 10 Wasaga, Clear Apricot

LAVENDER

Dr. Moody (Kenyon). Ex. Light lavender. Each,
6c; doz., 60c; 100, \$4.00.

King Arthur (Arenius). Ex. Grand deep rose-
lavender, florets large and fluted. Each, 8c; doz.,
75c; 100, \$5.00.

Lavender Delight (Arenius). Ex. Deeper and
more brilliant than Minuet and making the longest
flower-head and spike of the various lavenders
offered. Each, 8c; doz., 75c; 100, \$5.00.

Milford (New Zealand). Ex. One of the best.
Clear azure-blue, slightly darker at edges of petals.
Very large, nine open. Spike and placement good.
Each, 8c; doz., 75c; 100, \$5.00.

Minuet (Coleman). Ex. Large light lavender. We
*highly recommend it. Each, 6c; doz., 60c; 100,
\$4.00.

Royal Lavender (Schleider). Dec. Dark lavender.
Each, 8c; doz., 75c; 100, \$5.00.

Salbach's Orchid. Ex. Very fine lavender. Each,
6c; doz., 60c; 100, \$4.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and
others. Doz., 60c; 100, \$4.00.

ORANGE

Dearborn (Vaughan). Dec. Immense florets of
*deep flesh color, light coral reflex, lip amber yellow,
blending to flesh, marked with a feathering of deep
crimson. Tall, straight spike with twenty or more
florets, four to six open at a time, measuring five to
six in. in diameter. A giant gladiolus that blooms
early. Each, 6c; doz., 60c; 100, \$4.00.

Duna (Palmer). Ex. Clear, soft, light pinky buff,
bit yellow at base. Back of petals a shade darker,
5-6 open on medium tall spike. High in color
values and we like it better than Wasaga. Each,
6c; doz., 60c; 100, \$4.00.

Grand Slam (Salbach). Ex. Large highly ruffled
light orange. Each, 8c; doz., 75c; 100, \$5.00.

La Paloma (Dusinberre). Dec. A large pure orange
primulinus of the grandiflora type. Each, 6c; doz.,
60c; 100, \$4.00.

Lucifer (Errey). Ex. Bright orange with crimson
blotch. Good color and a showy spike. Each, 8c;
doz., 75c; 100, \$5.00.

Orange Queen (Pfitzer). Dec. A large flowered
primulinus of wonderful glowing orange, with red
stripes on lower petals. Each, 5c; doz., 50c; 100,
\$3.00.

Palm Springs (Vaughan). Ex. A clear soft lumi-
*nous orange-buff self color, marked only by lighter
toning in the throat. Each, 8c; doz., 75c; 100, \$5.00.

Paradise (Pruitt). Dec. Large apricot-buff shading
to yellow in throat. Each, 8c; doz., 75c; 100,
\$5.00.

Senorita (Salbach). Dec. Very clear wide-open
orange shading salmon. Each, 6c; doz., 60c; 100,
\$4.00.

Wasaga (Palmer). Dec. Clear apricot, buff throat.
*Large flowers and beautiful for basket work. Trifle
darker than Duna. Each, 6c; doz., 60c; 100, \$4.00.

ORANGE MIXED

Made up by ourselves from varieties listed and
others. Doz., 60c; 100, \$4.00.

**STANDARD VARIETIES
for the Cutting Garden**

- | | |
|---|-----------------------|
| Albania, White | Mrs. L. Douglas. Be- |
| Berty Snow, Lavender | gonia rose |
| Break O'Day, Pink | Mrs. F. Pendleton |
| Chicago White | Mrs. F. King, Scarlet |
| E. Kirtland, Pink | Odin, Salmon-pink |
| Giant Nymph, Pink | Peace, White |
| Gold Eagle, Yellow | Virginia, Red |
| Halley, Salmon-pink | Souvenir, Yellow |
| Los Angeles, Pink | Wilbrink, Pink |
| | Windsor, Light pink |
| Any of the above, doz., 50c; per 100, \$3.00. | |

100 Bulbs of Picardy, Champion of \$2.00

PREPAID 600 MILES

These are flowering size bulbs (No. 3) which will produce exhibition flowers, but take longer to do it than larger bulbs. Picardy is without a rival for the most popular gladiolus. Its soft salmon coloring, huge overlapping florets, perfectly spaced to produce a gorgeous plume of color, have won it leadership in the exhibition room, in the garden, and in the cut flower market. No. 1 bulbs, 100 for \$3. No. 2 bulbs, 100 for \$2.50. By Express Collect.

SMOKY

Au-Gres (Vaughan). Ex. Early 75 to 80 days. Color, ashes of roses with a conspicuous white throat; very novel and attractive combination. Medium height and flowers well placed. Each 6c; doz., 60c; 100, \$4.00.

Bagdad (Palmer). Ex. Very large smoky old-rose. ★ Each, 6c; doz., 60c; 100, \$4.00.

Emile Aubrun (Lemoine). Ex. Coppery bronze with cherry blotch. Each 6c; doz., 60c; 100, \$4.00.

Marmora (Errey). Ex. Lavender-grey, dark blotch. ★ Each, 6c; doz., 60c; 100, \$4.00.

Mother Machree (Stevens). Ex. Soft smoky lavender. Large flower and plant with large number out, excellent arrangement, remarkable substance, beautiful coloring of lavender and orange, subdued with neutral grey. Each, 8c; doz., 75c; 100, \$5.00.

Romance (Kunderd). Dec. The color of this flower is difficult to describe, a very beautiful blend of orange, salmon and rose, with a throat of red and yellow. Each, 6c; doz., 60c; 100, \$4.00.

Vagabond Prince (Palmer). Ex. Iridescent, garnet brown; lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. A good one for your collection. Each, 10c; doz., \$1.00; 100, \$7.00.

Tawny (Vaughan). Dec. Very tall spike (50 inches); 7 large flowers open, 10 buds, flowers well placed. Color, deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. An outstanding flower. Each, 6c; doz., 60c; 100, \$4.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

YELLOW

Cadillac (Vaughan). Ex. Tall spike, flowers well placed and of good form. Seven open at one time, 5 to 7 buds. Color, golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 6c; doz., 60c; 100, \$4.00.

Golden Chimes (Ellis). Ex. Highly ruffled light yellow. Each, 8c; doz., 75c; 100, \$5.00.

Golden Dream (Groff). Dec. Clear deep yellow. ★ Each, 5c; doz., 50c; 100, \$3.00.

Golden Goddess (Salbach). Ex. The first patented Gladiolus. Ten to sixteen florets open at once, deep rich golden yellow. Introduced only last season, but we have arranged with the patentee for the right to sell this outstanding new Gladiolus. Each, 10c; doz., 90c; 100, \$6.00.

Golden Lancer (Heberline). Dec. Pinard-yellow with short delicate lines of rose-red in throat. Each, 6c; doz., 60c; 100, \$4.00.

Improved Schwaben (Vaughan). Dec. A Schwaben seedling retaining the luxuriant growth of its parent, but of a deeper yellow color, with very little throat markings. Each, 6c; doz., 60c; 100, \$4.00.

Mary Shary (Vaughan). Dec. Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 8c; doz., 75c; 100, \$5.00.

Miss Bloomington (Kunderd). Dec. Tall, light yellow, flowers well placed. Each, 6c; doz., 60c; 100, \$4.00.

Mrs. M. G. Wade (Whiteley). Dec. Clear yellow, large spike. Each, 10c; doz., \$1.00; 100, \$7.00.

Royal Oak (Vaughan). Ex. Primrose yellow, lightly suffused with pink, the lower petals showing a single fine line of red in the center. 5-7 well placed flowers open at a time. The spike carries 16 to 20 buds. Exceptionally early, blooms in 60 days. Strictly a commercial variety. Each, 8c; doz., 75c; 100, \$5.00.

Yellow Emperor (Ellis). Ex. Clear light yellow. Each, 6c; doz., 60c; 100, \$4.00.

Yellowstone (Vaughan). Dec. Early, tall, clear yellow primulinus similar to Souvenir, but deeper yellow and better grower. A perfect self-color, beautifully formed. Each, 6c; doz., 60c; 100, \$4.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.



GOLDEN GODDESS, Giant Yellow, First Patented Gladiolus. Each, 10c.

BLUE AND PURPLE

Anna Eberius (Diener). Ex. Dark, velvety maroon-purple. Each, 8c; doz., 75c; 100, \$5.00.

Ave Maria (Pfitzer). Dec. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 8c; doz., 75c; 100, \$5.00.

Bloomington Beauty (Vaughan). Dec. Good spike, 5 open flowers, 10 buds, flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, 8c; doz., 75c; 100, \$5.00.

Blue Danube (Pfitzer). Dec. Pure amethyst blue with real blue blotch. Each, 8c; doz., 75c; 100, \$5.00.

Blue Royale (Vaughan). Dec. True violet-blue. ★ Very prolific and much larger, taller and stronger grower than any other blue we or any one else have ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. An outstanding advance in this new color. Each, 10c; doz., \$1.00; 100, \$7.00.

Canyon Violet (Vaughan). Dec. Another of the famous Vaughan violet and blue shade varieties. Deep violet-blue with a darker and larger bloom than our Rosa Raisa or Blue Royale. Very tall and a strong grower. Each, 10c; doz., \$1.00; 100, \$7.00.

Chas. Dickens (Pfitzer). Dec. Purple-violet. Each, 6c; doz., 60c; 100, \$4.00.

Hopi (Vaughan). Dec. A shapely flower of medium size, with florets of velvety substance exceptionally well placed, five to six open at once. In color a bright maroon, with slightly darker harmonizing blotch in the throat. Each, 6c; doz., 60c; 100, \$4.00.

Kalamazoo (Vaughan). Ex. Large, compact flowers ★ of beautiful violet-purple, with a creamy white throat. Each, 6c; doz., 60c; 100, \$4.00.

BLUE AND PURPLE—Continued.

Mrs. T. J. Knudson (Vaughan). Dec. This is one ★ of the Vaughan blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire, giving it a very striking effect. Florets are medium in size, with many, well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Midseason, strong grower of good height. Each, 10c; doz., \$1.00; 100, \$7.00.

Pelegrina (Pfitzer). Dec. Deep blue. Each, 8c; doz., 75c; 100, \$5.00.

Rhapsody in Blue (Vaughan). Dec. Pale blue ★ violet with deep violet throat. Flowers well placed, many open at once. A distinct addition to the all too few good blues. Each, 35c; doz., \$3.50.

Rosa Raisa (Vaughan). Dec. Long spike, flowers ★ well placed and of very good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to "Veilchenblau," flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, 10c; doz., \$1.00; 100, \$7.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

WHITE

Albatross (Pfitzer). Ex. Pure white. Each, 6c; doz., 60c; 100, \$4.00.

Bob White (Zimmer). Ex. Large pure white. Each, 8c; doz., 75c; 100, \$5.00.

Maid of Orleans (Pfitzer). Ex. Milky white, cream ★ throat. Each, 6c; doz., 60c; 100, \$4.00.

Mammoth White (Pfitzer). Ex. One of the largest ★ white varieties in existence. Flowers are pure, glistening white. A perfect exhibition flower. Each, 5c; doz., 50c; 100, \$3.00.

Margaret Beaton (Twomey). Ex. New immense ★ white with orange-scarlet blotch. Each, 40c; doz., \$4.00.

Myrma (Pruitt). Ex. An excellent white, sister to ★ Shirley Temple, ruffled and strong grower. Each, \$1.00; doz., \$9.50.

Seafoam (Vaughan). S.D. White Primulinus. Good ★ spike, flowers well open, medium size, stamens white color, pure white with greenish reflex, four flowers open, 7 to 9 buds. A wonderful producer. Each, 5c; doz., 50c; 100, \$3.00.

Shirley Temple (Pruitt). Ex. Color rich cream, ★ almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulbets that grow readily, without pregermination. It blooms somewhat later than Picardy. Each, 8c; doz., 75c; 100, \$5.00.

Star of Bethlehem (Pfitzer). Ex. Enormous snow- ★ white. Good exhibition variety. Each, 8c; doz., 75c; 100, \$5.00.

Vaughan's White (Vaughan). Ex. Many large, ★ well-expanded flowers of satiny white are open at one time. It is larger flowered and more vigorous in growth than Europa, and as prolific as America. Without doubt it is the best white yet introduced. Each, 10c; doz., \$1.00; 100, \$7.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.



LILIAM SUPERBUM



LILIAM AURATUM



LILIAM HANSONI



LILIAM JAPONICUM

Hardy Lilies for Spring Planting

HARDY lily bulbs, of 1940 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

Lilies are truly among the most beautiful of all bulbous plants. They are especially suitable for planting in herbaceous borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 5 to 6 inches below the surface, and to prevent the accumulation of excessive moisture, surround the bulb with coarse sand and fill in with a mixture of fibrous loam and leaf-mold.

Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

For the smaller varieties, plant in clumps, the bulbs about 6 inches apart, leaving more space for the strong and larger species. The most striking mode of planting is in groups of 3 to 9 bulbs in a mass.

AURATUM PLATYPHYLLUM (Improved Auratum)—Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. First Size (8-9 inches), each, 30c; doz., \$3.00; 100, \$22.00; prepaid. Mammoth Size (9-11 inches), each, 45c; doz., \$4.50; 100, \$30.00; prepaid. Jumbo Size (11-13 inches), each, 55c; doz., \$5.50; 100, \$40.00; prepaid.

AURATUM—The Gold-Banded Lily of Japan, grows four to seven feet tall, blooming in July and August. First Size (8-9 in.), ea., 25c; doz., \$2.50; 100, \$18.00; prpd. Mammoth Size (9-11 in.), ea., 35c; doz., \$3.50; 100, \$25.00; prepaid. Jumbo Size (11-13 in.), ea., 50c; doz., \$5.00; 100, \$40.00; prpd.

BATEMANNAE—Gorgeous deep apricot colored lily resembling Umbellatum. July flowering. 3 feet. Each, 25c; doz., \$2.50; 100, \$18.00; prepaid.

BROWNII—Massive trumpet-shaped flowers, deliciously fragrant. They open pale yellow and fade quickly to a pure, creamy white color. The outside of the trumpets is bronze. Easy to grow if good drainage is provided. Height, 2½ to 3½ ft. Each, 50c; per doz., \$5.00.

LILIAM ELEGANS (Lilium Thunbergianum)—A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock gardens.

Mixed. Good range of reds and yellows. Each, 20c; doz., \$2.00; per 100, \$15.00; prepaid.

LILIAM HANSONI—The flowers are a deep orange-yellow shade, spotted brown, grow three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 40c; doz., \$4.00; 100, \$35.00; prepaid.

LILIAM HENRYI—A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage. 8 to 9 inch, each, 20c; doz., \$2.00; 100, \$15.00; prepaid. 9 to 11 inch, each, 30c; doz., \$3.00; 100, \$20.00; prepaid.

LILIAM JAPONICUM (Formerly Lilium Kramerii)—The flowers, a lovely shade of pale pink, are tubular, being held in horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots and after all danger of frost is over can be set out in the garden. Plant five inches deep, in a light, peaty soil which must be well drained. Each, 30c; doz., \$3.00; 100, \$22.00; prepaid.

LILIAM PARDALINUM (Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from Sierra Nevada Mountains of California. Ten to thirty flowers on a 5-6 foot stem. Each, 25c; doz., \$2.50; 100, \$18.00.

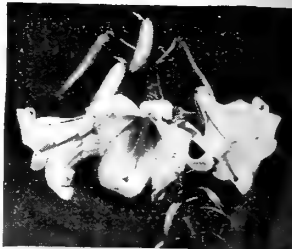
LILIAM PHILLIPINENSE FORMOSANUM—A refined and graceful lily with trumpet flowers of purest white, slightly marked with reddish brown. Plants grow two to three feet, very robust. Hardy, very fragrant and one of the loveliest of new varieties. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

MOSAIC-FREE LILY BULBS

For those who have had trouble with mosaic disease, we are glad to offer, for the first time, a limited quantity of American-grown bulbs, free from mosaic. They should be planted in soil in which lilies have never been grown and at some distance from other lily plantings.

No orders can be accepted after April 10th

Centifolium. A giant among lilies, with long, trumpet-shaped white flowers, streaked outside with brown and flushed inside with yellow at the base of the trumpet.



LILIAM CENTIFOLIUM

Creelman Seedlings. Beautiful trumpet lilies grown from the seed of the famous George C. Creelman Hybrid. Flowers resemble Lilium Regale of truest type, with bronzy tones more pronounced and a more intensely yellow throat. Two weeks later than Regale, growing 6 feet tall in good environment, as many as 35 flowers on a stalk. One of the hardiest.

L. Regale Hybrid. Of unknown origin, found growing in a bed of Lilium Regale. Over six feet in height with tall pyramidal flower stalk. Flowers just after Regale and just ahead of Sulphur-gale.

Shelburne Hybrid. This lily is the result of a cross between L. Regale and the beautiful L. Sargentiae. A tall grower with very large trumpet.

Sulphur-gale Hybrids. These beautiful lilies were obtained by crossing L. Sulphureum with L. Regale. Larger and taller than Regale and flowering two weeks later.

Prices for any of the above:

5-6 inch—Each, 60c; doz., \$6.00. 6-7 inch—Each, 70c; doz., \$7.00.

LILIAM REGALE—The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, 3-4 ft. with delightful fragrance. First Size (6-7 in. in circumference), each, 15c; doz., \$1.50; 100, \$10.00; prepaid. Select Size (7-8 in. in circumference), each, 25c; doz., \$2.50; 100, \$18.00; prepaid. Mammoth Size (8-9 in. in circumference), each, 30c; doz., \$3.00; 100, \$22.00; prepaid. Jumbo Size (9-10 in. in circumference), each, 40c; doz., \$4.00; 100, \$30.00; prepaid. Extra Jumbo (10-11 inch), each, 55c; doz., \$5.50; 100, \$40.00.

LILIAM SPECIOSUM RUBRUM (Magnificum) (The Lance-Leaved Lily)—The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet and flowers face downward. A very beautiful lily, perfectly hardy, very seldom diseased, and a late August and early September bloomer. Plant the bulbs eight to ten inches deep. First Size (8-9), each, 25c; doz., \$2.50; 100, \$18.00; prepaid. Mammoth Size (9-11), each, 35c; doz., \$3.50; 100, \$25.00. Jumbo Size (11-13), each, 45c; doz., \$4.50; 100, \$35.00; prepaid.

LILIAM SPECIOSUM ALBUM—A pure white form of Lilium Rubrum. First Size (8-9), each, 35c; doz., \$3.50; 100, \$25.00; prepaid.

LILIAM SUPERBUM (American Turk's Cap, Swamp Lily)—The most showy of the native North American species. Flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown, in late July and August. Height 3-8 feet. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

LILIAM TENUIFOLIUM—The lovely Coral Lily of Siberia. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. Blooms very early. Each, 15c; doz., \$1.50; 100, \$10.00; prepaid.

LILIAM TIGRINUM FLORE PLENO (Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens. Each, 20c; doz., \$1.75; 100, \$12.00; prepaid.

LILIAM TIGRINUM SPLENDENS (Tiger Lily)—This lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems. Each, 15c; doz., \$1.50; 100, \$10.00; prepaid.

LILIAM UMBELLATUM (Subspecies of Davuricum)—They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup shape. Grandiflorum—Orange-red, very large flowers. Each, 25c; doz., \$2.50; 100, \$18.00; prepaid.

Vaughan's Hardy Climbing Vines



CLIMBING HYDRANGEA

Dozen plants supplied for the price of 10. Six plants of a kind supplied at the dozen rate. If wanted by Parcel Post, add 5c per plant for postage.

TO MAKE a green canopy over pergolas, clothe bare walls with beauty, adorn trellises, transform fences into walls of green, and for many other purposes, hardy climbing vines are useful in the garden. We list varieties of proved merit, among which will be found subjects suitable for any of the uses mentioned.

BITTERSWEET (*Celastrus Scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., 50c; 3 for \$1.25; 3 yr., 60c; 3, \$1.50.

CREEPER (*Ampelopsis*)

Boston or Japanese Ivy (*Ampelopsis Tricuspidata* or *Veitchii*). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 50c; doz., \$5.00, 3 year, 65c; doz., \$6.50.

Engelman's Creeper (*Ampelopsis Engelmani*). One of the hardest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 3 yr., 50c; doz., \$5.00.

Geranium Creeper (*Ampelopsis Tricuspidata* Lowii). Similar in habit to the popular Boston Ivy, but with smaller, more deeply cut foliage. 2 yr., 65c; 3, \$1.75; doz., \$6.50.

CLIMBING HYDRANGEA

Hydrangea Petiolaris. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, \$1.00.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 50c; 3 yr., 60c.

Bignonia Mme. Galen. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, 90c.

ASK FOR OUR COMPLETE LIST OF CLEMATIS

DUTCHMAN'S PIPE

Aristolochia Sipho. A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and will thrive in sun or shade. 2 yr., 75c; doz., \$7.50; 3 yr., grafted, \$1.50.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., \$1.50.

Pink Anemone Clematis (*Clematis Montana Rubens*). The rosy-pink, Anemone-like flowers of this species are very attractive and are produced in greatest profusion over a long period. An excellent early spring flowering climber. 2 yr., 75c.

Scarlet Clematis (*Texensis*). Bell shaped flowers, bright coral-red, from June until frost. 50c.

Sweet Autumn Clematis (*Clematis Paniculata*). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September when few other vines are in bloom. The most popular of all the small-flowered vines. 2 yr., 50c.

LARGE-FLOWERING CLEMATIS

The most beautiful of all our flowering vines.

Duchess of Edinburgh. Pure white, very double flowers that are not unlike a Gardenia.

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 5 varieties: 1-year, 2½ inch pots, each, 50c; 2-year, each, 75c; 3-year, each, \$1.00.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 1-year for \$1.25; 2-year for \$2.00; 3-year for \$2.75.

FIVE FINE NEW VARIETIES

Belle of Woking. Handsome double flowers of silvery gray. Profuse bloomer in July and again just before frost. 2 yr., \$1.50.

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to Sept. Very distinct. 2 yr., \$1.25.

Crimson King. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. \$2.00.

Lord Neville. Very dark, velvety blue-purple. Exclusive in color, with petals rich in texture. Has a long blooming season. 2 yr., \$1.25.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. \$1.75.

Special Offer: One each of Belle of Woking, Crimson King, and Lord Neville. 2-year, for \$3.95.



CLEMATIS Belle of Woking



SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., 60c; 3, \$1.50.

HARDY ENGLISH IVY

Hedera Helix Gracilis. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover, 4 in. pots, 50c; doz., \$5.00; 2½ in. pots, each, 35c; doz., \$3.00; 100, \$18.00.

HONEYSUCKLE (*Lonicera*)

Excellent vines for covering arbors, fences, pergolas, verandas, etc., and for ground planting under trees. If used on terraces or embankments will prevent washing. All are hardy and improve in beauty yearly.

Everblooming Honeysuckle (*Lonicera Heckrottii*). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 60c; 3, \$1.65.

Goldflame Honeysuckle. Everblooming like the above, with fragrant, trumpet-shaped flowers, bright red outside, yellow inside. 2 yr., 75c; 3, \$2.00.

Hall's Japanese Honeysuckle (*Lonicera Japonica Halleana*). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 50c; 3, \$1.25; 3 yr., 60c; 3, \$1.50.

Trumpet Honeysuckle (*Lonicera Sempervirens*). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 50c; 3, \$1.25.

Trumpet Honeysuckle (*Lonicera Sempervirens*). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 50c; 3, \$1.25.

Trumpet Honeysuckle (*Lonicera Sempervirens*). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 50c; 3, \$1.25.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean, dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots. 40c.

WISTERIA

Very strong growing vines that climb high and twine tightly. To get the best bloom, do not over-water or over-fertilize, but prune regularly, cutting back all superfluous growth in August and again in September.

Chinese Wisteria (*Wisteria Sinensis*). Blooms very profusely early in summer; flowers violet-blue, in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., grafted, 75c.

Tree Form. 3 to 4 ft. stems, 6 yr. plants, 2 yr. heads, B & B., \$7.50.

American Purple Wisteria (*Wisteria Magnifica*). Purple-lilac, pea-shaped flowers, borne in pendulous racemes in late May. 2 yr., 50c; 3 yr., 60c.

Multijuga Naga Noda. This variety has astonishingly long clusters of light purple flowers. On well-established vines they will run 3 to 4 ft. in length. Stock very scarce. 2-yr., grafted, \$1.50.

Pink Japanese Wisteria (*Wisteria Multijuga Rosea*). The queen of the Wisterias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 1 yr., grafted, \$1.00.

White Chinese Wisteria (*Wisteria Sinensis Alba*). Pure white, very fragrant, 2 yr., grafted, 75c.

New Hardy Everblooming Roses

Of Giant Size, Lovely Coloring and Vigorous Growth

Price of the following varieties:

Dormant Roses, \$1.00; 3 of one kind for \$2.50
Pot Plants, \$1.20; 3 of one kind for \$3.30

★**Angels Mateu.** (Patent No. 174.) Enormous full double deliciously fragrant blooms of an extraordinary color of orange old-rose. Strong grower with healthy foliage. It is easily one of the best of newer Roses and is one that will be a favorite for a long time.

★**Christopher Stone.** One of the three finest red Roses in existence. Produces quantities of brilliant, glowing, velvety scarlet blooms of good form all season. Delicious old Rose fragrance.

Countess Vandal. (Patent No. 38.) Here in one flower are blended all the beguiling tricks known to Roses. Full blooms sturdily borne; contrast of soft colors; the majesty of flaunting lines. Exquisite buds of pink, salmon and gold, excellent for cutting.

★**Duquesa de Penaranda.** This glorious Rose produces two distinct types of flowers. In summer they are coppery apricot, in autumn a luscious cinnamon-peach color.

★**Eclipse.** (Patent No. 172.) Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A garden Rose that is here to stay.

Golden State. (Patent No. 303.) Long stemmed, very double, long lasting cut flowers of unfading golden yellow on vigorous healthy plants. The official Rose for the Golden State International Exposition, 1939.

★**Golden Rapture.** The perfect yellow Rose. Its rich, glowing yellow buds are of ideal form and open into beautiful, large double flowers which last without fading. Splendid for cutting and bedding.

Mme. Cochet-Cochet. (Patent Patent No. 129.) Long pointed buds of coppery pink, flushed orange, open to 4½-inch flowers of splendid form, with the color changing to soft satiny pink with attractive tints. Sweet honey-like fragrance. Gold Medal award in 1937 at the Hartford, Connecticut Test Garden.

★**Mme. Joseph Perraud.** Nasturtium orange buds, open to fragrant flowers of a charming Nasturtium buff.

★**McGredy's Ivory.** "The perfect white Rose." Perfect buds open into magnificent perfect blooms of ivory-white.

Picture. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone. A splendid cutting Rose that produces quantities of fragrant bloom all season.

Poinsettia. (Patent rights reserved.) Here is the Rose that will be the sensation of your garden for it is the most dazzling red Rose we have ever seen. The buds are ideal in form, long and pointed, and open into large, semi-double, beautiful Poinsettia-scarlet blooms, with large well-shaped petals. The plants are good and the blooms are produced profusely during the whole season.

President Boone. (Patent No. 314.) A gorgeous red Rose, largest of them all. The plants are very strong, have good foliage and they bear quantities of magnificent blooms all the time. They are very double, delightfully fragrant, and in color a deep velvety crimson, beautifully veined with an entrancing velvety-black.

Rouge Mallerin. A vivid red Rose with petals like scarlet velvet. Its pointed buds open to long-lasting, full double blooms of rich glowing scarlet which does not fade or blue in the sunshine. Strong vigorous grower. Rich old damask perfume.

Signora. (Plant Patent No. 201.) There is no other Rose quite like this one, which is one of the finest of the new varieties that have come to America. A warm symphony of color, mostly in shades of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant.

★**Souv. de Mme. C. Chambard.** Coral-pink. Developing a satiny peach tint. Delicious fragrance.

★**Sterling.** (Patent No. 21.) Here is a new Rose that is just about perfect. The flowers are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms.

The Doctor. The most glorious pink Rose we have ever seen. The buds are long and pointed and expand to simply enormous blooms of beautiful, glowing rosy pink with satiny pink edges. Sweetly fragrant; moderate growth.

Will Rogers. (Patent No. 256.) This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It is ideal for cutting and bears quantities of flowers throughout the season. Does best in semi-shade.

FOUR GREAT ROSES

One each Angels Mateu, Crimson Glory, Eclipse, and Sterling, dormant (value \$4.25) for \$3.55; pot plants (value \$5.05) for \$4.25.

Price of the following varieties:

Dormant Roses, \$1.50;
3 of one kind for \$3.75

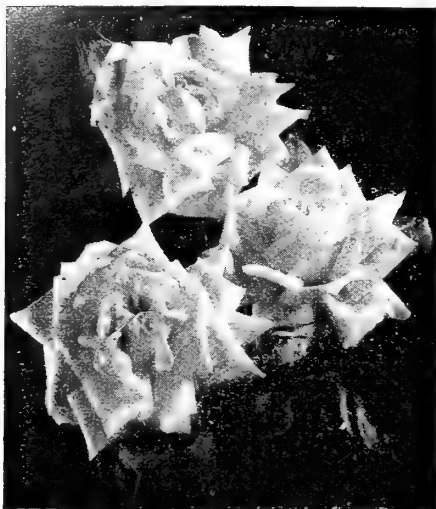
Pot Plants, \$1.70; 3 of one kind for \$4.70

Charlotte Armstrong. (Patent Rights Reserved.) An amazingly beautiful new Rose that is said to outbloom most varieties three to one throughout the season. The long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous with good foliage.

Orange Nassau. (Patent No. 350.) The most spectacular Rose of the decade. The color is entirely new, a bright orange on the inside of the petals, whereas the outside is an intense yellow that contrasts well with the orange. Buds are well shaped opening into flowers not unlike a Cactus Dahlia. Flowers are so beautiful you will have to have a plant, even though it is not a strong grower.



CHARLOTTE ARMSTRONG



MABELLE STEARNS

NEW PERPETUAL FLOWERING DOORYARD ROSE

Dormant Roses, 3 for \$5.00; each, \$2.00
Pot Plants, 3 for \$6.20; each, \$2.20

★**Mabelle Stearns.** (Patent No. 297.) A Rosa Setigera Hybrid that is hardy without protection in the Temperate Zone. Very hardy plants growing 2 feet high and spreading 6 to 8 feet or more if permitted. The full double delightfully fragrant flowers of peachblossom-pink are produced in panicles from June until frost, and are excellent for cutting. Rich, green, healthy foliage.

★ Indicates outstanding garden varieties.

Price of the following varieties:

Dormant Roses, \$1.25; 3 of one kind for \$3.15

Pot Plants, \$1.45; 3 of one kind for \$4.00

★**Crimson Glory.** (Patent No. 105.) We consider this the finest of the new red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

★**McGredy's Sunset.** (Patent No. 317.) Soft yellow flushed with orange and scarlet as it opens. Color is intensified as blooms expand and is at its best when fully opened. Full shapely flowers freely borne on strong upright stems. Excellent in hot weather.

Rex Anderson. (Patent No. 335.) Sensationally beautiful new white with an overcast of ivory, slightly deeper in the center. The large blooms are carried, several together, on strong stems and may be grown to enormous size by disbudding. Vigorous plants with an abundance of grey-green foliage which sets the flowers to perfection. Pleasing rose fragrance.

R. M. S. Queen Mary. (Patent No. 249.) Sensational New Garden Rose. Beautiful beyond description with its combination of vivid shades of rich glowing salmon, exquisite pure pink and orange base. Buds long and pointed, flowers large and of beautiful form. Strong grower, flowers delicately perfumed.

Rome Glory. (Patent No. 304.) Proclaimed one of the finest red Roses yet introduced and best described as a cerise-red Dame Edith Helen. Produces very large, full double blooms of superb form on long stems. Flowers long lasting on the plant or when cut and not affected by dry or wet weather. Very perfumed. Extraordinarily robust and hardy plant.

Special Offer No. 96C: One each of the above 5 Roses, dormant (value \$6.25) for \$5.20; pot plants (value \$7.25) for \$6.00.

DELUXE ROSE COLLECTION

One each Christopher Stone, Duquesa de Penaranda, Golden Rapture, McGredy's Ivory, Picture and Rouge Mallerin, dormant (value \$6.00) for \$4.75; pot-grown (value \$7.20) for \$5.75.



McGREY'S SCARLET

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

EVERBLOOMING HYBRID TEA ROSES OF RECENT INTRODUCTION

Dormant Roses, 85c; 3, \$2.15; 12, \$8.50
Pot Plants, \$1.05; 3, \$2.75; 12, \$10.50

***Cynthia.** An outstanding cut flower variety. Exceptionally well-formed buds and full double flowers of brilliant carmine.

***Condesa de Sastago.** A spectacular Rose with flowers of fiery copper and yellow.

***Dainty Bess.** We consider these exquisite flowers of delicate rose-pink, with contrasting center of wine-red stamens, the finest of all the single Roses. The flowers are 3 to 4 inches across, come continuously in clusters on long spikes, and are very lasting when cut.

Editor McFarland. Exceptionally fine deep pink variety, good grower, and excellent cut flower.

Hinrich Gaede. Long pointed, Nasturtium-red buds and big double blooms of rich luminous vermillion shaded golden yellow.

Leonard Barron. A very hardy Rose. Its immense blooms, over 5 inches across, are probably the largest of any everblooming Rose. They are a lovely salmon-pink with an amber glow. Vigorous, bush growth.

Max Krause. Probably the best golden yellow Rose for outdoor use—a gold that stays gold. Long buds open into very large, extremely double, fragrant blooms of great substance, freely borne on long stems.

McGredy's Yellow. Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped with a mass of gold anthers glorifying the center. Plants vigorous and free blooming, with dark, glossy, holly-like foliage.

Miss America. (Patent No. 264.) Wonderful new Rose. It has vigor, fine healthy foliage, extreme hardiness, a lovely color, fragrance, and persistence of bloom. The color is flesh with salmon and gold suffusion, faint gold at the base and frequently with a salmon center. Flowers average 65 petals and are produced singly on long stems all through the season.

Mrs. Sam McGredy. Exceptionally good all-purpose variety with elegant, shapely buds produced singly on strong slender stems. Well-shaped blooms of coppery scarlet-orange, outside of petals heavily flushed with red. Beautiful plants, bronzy foliage and spreading habit.

***Southport.** Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems. Prolific bloomer.

***Pink Dawn.** Full, double flowers of glistening rose-pink, changing to soft pink with a gold base. Buds are extra long; excellent for cutting. Very popular as it blooms freely and grows vigorously like the Radiance Roses.

SURPRISE ROSE COLLECTION

This is made up of our selection of Everblooming Hybrid Tea Roses. They will all be high grade Roses, in a wonderful assortment of colors, worth from 75c to \$1.20 each. Every Rose will be labeled (no two varieties alike) and because you are letting us make the selection, we are giving you this bargain price.

6 Roses, our selection, dormant for \$2.95
6 Roses, our selection, potted for 4.00
12 Roses, our selection, dormant for 4.95
12 Roses, our selection, potted for 7.00

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, 75c; 3, \$2.00; 12, \$7.50
Pot Plants, 95c; 3, \$2.60; 12, \$9.50

***Autumn.** Unique coloring, a gorgeous burnt orange, streaked and marked with red. Large handsome buds developing to full double, fragrant blooms.

***Betty Uprichard.** "If I had room for only one Rose in my garden, it would be Betty Uprichard"—such is the enthusiasm of one great Rose lover for this vigorous, very fragrant Rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine.

Briarcliff. Long pointed buds and large, high centered flowers of deep rose-pink passing to a lighter shade on outer petals. Fragrant. Almost thornless and one of the finest garden Roses for cutting.

Caledonia. Has beautifully shaped, long snow-white buds which open to fine double flowers on long stems for cutting. It has a delicious fragrance and is profuse in its habit of bloom.

Dame Edith Helen. Though there are many fine pink Roses, this one remains a leader. Blooms are of magnificent size and substance on bushes of vigorous upright growth. It is extremely double and high centered with broad petals that curl back luxuriously.

E. G. Hill. Long, perfectly formed buds opening to full double flowers of dazzling scarlet, shading to deeper red. Flowers are borne on long stems and are deliciously fragrant. A Rose that is popular everywhere for its brilliant color, freedom of bloom and lasting qualities.

***Etoile de Hollande.** A brilliant dark red Rose of magnificent size and perfect form. Vigorous grower, heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development.

Golden Dawn. Buds lemon-yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

***Joanna Hill.** One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form, whether in graceful bud or full blown flower.

Kaiserin Auguste Viktoria. Creamy buds slowly to snowy white blooms of perfect form.

***Margaret McGredy.** Comparatively new and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth. Blooms continuously.

***McGredy's Scarlet.** A Rose with the McGredy name is always a top-notch and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

***Mme. Butterfly.** This Rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal tips of ivory white.

***Mme. Jules Bouche.** Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with bluish pink; fragrant. Plant exceptionally strong and continuously in bloom.

***Mrs. Charles Bell (Shell-Pink Radiance).** An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

***Mrs. Erskine Pembroke Thom.** An unfading yellow with dark healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Mrs. Henry Bowles. A large well formed, fragrant Rose of brilliant pink with salmon shadings. Extra good bloomer.

Mrs. Pierre S. du Pont. Exquisitely formed flowers of dark golden yellow that holds well.

President Herbert Hoover. A wonderful blend of cerise-pink and rich cream veined with scarlet.

***Radiance.** Brilliant rose carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

***Red Radiance.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

Souvenir de Claudius Pernet. Flowers sun-fading even in the warmest weather.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The Rose of many Gold Medals.

See Rose Collection on Page A.
Ask for our leaflet "How
to be Successful with Roses."

FLORIBUNDA EVERBLOOMING ROSES

"Roses of Tomorrow"

These Roses are among the hardest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are almost as large as those of the Hybrid Teas, but are borne in clusters which are very showy, in the garden and provide excellent bouquets for the house. Wonderful for planting in groups in the border, for bedding or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer.

Price, except where noted,

Dormant Roses, 75c; 3, \$2.00; 12, \$7.50
Pot Plants, 95c; 3, \$2.60; 12, \$9.50

Betty Prior. Floribunda. (Pat. No. 340.) Exquisite single blooms, borne in large clusters on strong stems. Outside of petals dark carmine, inside delicate shell-pink. Very vigorous and continuous bloomer; fragrant.

Dormant, 85c; 3, \$2.15; Pot Plants, \$1.00; 3, \$2.70.

Dagmar Spath (White Lafayette). Large trusses of pure white flowers, produced freely all summer. Excellent for cutting.

***Donald Prior.** Floribunda. (Pat. 377.) The large flowers are semi-double, cup-shaped, bright scarlet, flushed crimson, a very striking color. Fragrant, foliage dark green; very free flowering.

Dormant, 85c; 3, \$2.15; Pot Plants, \$1.00; 3, \$2.70.

***Improved Lafayette.** An unusually prolific large flowering variety; very showy and fine for mass plantings. Flowers deep brilliant red, richly suffused crimson, almost as large as a Hybrid Tea Rose.

***Mrs. R. M. Finch.** Double soft rosy-pink flowers, 2 inches in diameter, in large showy, fragrant clusters. One of the finest pink Floribundas. Vigorous grower.

***Rochester.** Floribunda. (Patent No. 131.) A group of Rochester is a continuous mass of beautiful flowers. Full double blooms, creamy yellow tinted with the colors of an Oriental pearl. Foliage heavy and disease resistant; growth vigorous; hardy.

Dormant, 85c; 3, \$2.15; Pot Plants, \$1.00; 3, \$2.70.

***Rosenelfe.** Unusually beautiful, silvery rose-pink flowers of Gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer.

World's Fair. (Patent No. 362.) Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. Luxuriant foliage.

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.20; 3, \$3.50.

THREE NEW FLORIBUNDAS

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.20; 3, \$3.50.

Cheerio. Superb variety with brilliant double flowers of clear mallow pink shading to Tyrian rose at the base of the petals with reverse or outside a luminous rose-madder that creates an effective color balance.

Red Velvet. A spectacular bedding Rose, covered with urn-shaped buds opening to well-rounded blooms of an intensely vivid crimson lake. The velvety finish of the flowers adds to the beauty and richness of the color. Vigorous and free blooming.

Sunmist. Graceful, pointed buds opening into large, well-rounded flowers of a clear light sulphur yellow shading to mellow canary yellow toward the base of the petals. Forms large flower clusters that give a glorious effect, particularly in masses.



FLORIBUNDA ROSES—RED VELVET,
SUNMIST, CHEERIO



POLYANTHA EVERBLOOMING ROSES

Dormant Roses, 75c; 3, \$2.00; 12, \$7.50
Pot Plants, 95c; 3, \$2.60; 12, \$9.50

These, like the Floribundas, are very hardy and continuous blooming, producing their small flowers in large, showy clusters on neat, compact bushes.

Cecile Brunner (The Sweetheart Rose). The charm of this variety is in its beautifully proportioned buds and half open flowers. Soft, rosy pink on a background of creamy white.

Cameo. A new and distinct color of shell pink and salmon with a glow of gold. Large sprays in continuous succession.

Gloria Mundi. Full double flowers of most brilliant orange scarlet. Continuous bloomer and gives a rich colorful effect.

Triomphe Orleansais. Brilliant Cherry-red lasting in color; blooms profusely in trusses. Considered the finest light red Polyantha.

STANDARD

TREE ROSE



These ornamental and much prized Roses are bush shape, grafted to a standard or trunk 3 feet high. Hybrid Teas are chiefly used, and the bush or head is capable of bearing 30 to 50 blossoms each season. Need winter protection.

We can supply the following, except where noted, dormant only, at \$3.00 each; \$27.50 for 10.

Condesa de Sagato
Etoile de Hollande
Frau Karl Druschki
Mrs. E. P. Thom
Paul's Scarlet Climber
Crimson Glory Each, \$3.50

Pink Dawn
Pres. H. Hoover
Radiance
Red Radiance
Talisman

ROSA ROULETTI

NEW MINIATURE OR LILLIPUT ROSE. Ever-blooming, hardy, height 6 to 8 inches, double dark pink blooms in profusion.
Plants, 3 for \$1.00; doz., \$3.50

TOM THUMB

CRIMSON. PAT. 159 "WORLD'S SMALLEST RED ROSE." A tiny gem for rockery, border or pool's edge. Everblooming. Dwarf grower, hardy. Flowers rich crimson, white center, studded with gold stamens. 75c each; 3 for \$1.90; 12 for \$7.25.

Hardy Climbing Roses

NEW PATENTED CLIMBING ROSES

Price, except where noted:

Dormant Roses, \$1.00; 3 of one kind for \$2.50
Pot Plants, \$1.20; 3 of one kind for \$3.30

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following 10 varieties:

Dormant, 75c; 3, \$2.00; 12, \$7.50
Pot Plants, 95c; 3, \$2.60; 12, \$9.50

Bonfire. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Chaplin's Pink Climber. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower.

Dorothy Perkins. Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower.

Dr. W. Van Fleet. The delicate flesh-pink flowers are full and double, sweetly perfumed; beautiful bronze green foliage.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diam.

Mme. Gregoire Staechelin. This new variety is the aristocrat of the climbing Roses. Its beautiful flowers are of enormous size and are followed by fruits as large as small pears. The blooms are iridescent pearl-pink, splashed with carmine, fragrant.

Paul's Scarlet Climber. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.

POT PLANTS

These northern grown 2-year field Roses are potted and grown in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Pot grown Roses not ready till May 1st.

All Pot Roses Shipped Express Collect from Western Springs, Ill.

DORMANT

All our dormant Roses are hardy, Northern grown 2 yr., No. 1 grade and should be planted early. They may be shipped by parcel post.

All Dormant Roses Prepaid 600 Miles from Chicago.

HYBRID PERPETUAL JUNE ROSES

These are the well known June Roses. Many big, sweetly scented, globular shaped roses in June.

Dormant Roses, 75c; 3, \$2.00; 12, \$7.50
Pot Plants, 95c; 3, \$2.60; 12, \$9.50

★**Frau Karl Druschki** (White American Beauty). Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class. Blooms all the time.

George Ahrends. Pointed buds and blooms of soft pink, delicately perfumed. Vigorous grower with good foliage.

Henry Nevard. Unusually fragrant crimson-scarlet flowers of fine form. An improved American Beauty that blooms very freely.

Ulrich Brunner. A Rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our Rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill., where over 1000 plants of both new and old varieties are on display.

(Plant Patent No. 10.) A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms intermittently all through the season.

Doubloons. (Plant Patent No. 152.) A hybrid of our native Rosa Setigera and very hardy. Clusters of very large cup-formed, saffron yellow blooms, opening one after the other. Long heavy canes. Undoubtedly the best yellow climber to date. Has the tendency to repeat in midsummer.

Dr. J. H. Nichols. (Propagation Rights Reserved.) Fully double, lovely rose-pink flowers, unbelievably large, in magnificent clusters. Everblooming. Dormant, \$1.50; Pot Plants, \$1.70.

Flash. (Pat. 396) Probably the most vividly colored hardy Climbing Rose in existence. The flowers are a glowing, flashing color of vivid orange-scarlet with the back of the petals yellow, suffused with scarlet. The center of the flower is gleaming yellow and filled with golden antlers. It is a prolific bloomer for several weeks, and although a vigorous grower, attains a height of only about 7 feet.

★**Golden Glow**. (Patent No. 263.) We believe this new hardy climber will produce more flowers than any other one-crop climber in your garden. The pure spectrum yellow flowers of hybrid tea type and good China tea fragrance, are 3½ to 5 inches across and are produced on stiff stems, 1 to 15 or more, over a long period. The color is practically fadeless and the flowers literally cover the plants, making a wonderful display. Vigorous grower.

(Patent applied for.) A Rosa Setigera Hybrid that is hardy without protection in the Temperate Zone. Huge flowers, 5 to 6 inches across, of clear, deep rose-pink that will equal the finest Hybrid Tea Roses. Flowers abundantly. Attractive, rich bronzy green leaves. Dormant, \$2.00; Pot Plants, \$2.20.

Thor (Giant Scarlet Climber.) (Patent No. 387.) Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed, 4 to 5 inches across, and are just as handsome as those of a Hybrid Tea Rose. Flowers have 55 to 60 petals and are produced abundantly. Foliage rich bottle-green which does not mildew or black-spot. Hardy without protection in the Temperate Zone. Unquestionably the finest scarlet Climbing Rose creation to date. Dormant, \$2.50; Pot Plants, \$2.70.

The New Dawn (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented Rose and the first ever-blooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. Dormant, \$1.50; 3, \$3.75; Pot Plants, \$1.65.

Special Offer—Three Patent Roses

One each Blaze, Doubloons, and The New Dawn. Dormant (value \$3.50) for \$2.95; Pot Plants (value \$4.10) for \$3.50.



PATENTED ROSE DOUBLOONS

New Flowering Shrubs and Hedge Plants

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

Except where noted, 10 of one variety supplied at 10c less than each rate; 5 of one variety supplied at the 10 rate.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."

DAPHNE

Rose Daphne (*Daphne Cneorum*). 1 ft. A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, rather sandy soil. In cold climates the plants should be protected during winter. 7 to 9 in., B. & B., each, 90c; 9 to 12 in., B. & B., each, \$1.25.

EUONYMUS (Wintercreeper)

Bigleaf Wintercreeper (*Euonymus Radicans Vegetus*). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 12 to 15 in., 60c; 15 to 18 in., 70c.

HYDRANGEA

Blue Hydrangea. 2 ft. A beautiful hardy Hydrangea of deep and intense blue. Blooms for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. \$1.50.

Oak-leaf Hydrangea (*Hydrangea Quercifolia*). 3 to 5 ft. The leaves are a dark green in summer, turning to richest red in autumn. They will stand some shade and smoky city conditions and are well adapted to foundation or low border plantings. Flowers are pinkish white, borne in upright clusters in June. 18 to 24 in., 75c; 10, \$6.00.

4 Extra Fine Lilacs, \$2.95

These are 4 of the most outstanding varieties in our collection and they make a beautiful group planting. One of each, as listed, for \$2.95.

Belle de Nancy. Double. Large satiny rose showing some white towards the center. Free blooming; extra fragrant. 2 to 3 ft., \$1.00.

Charles Joly. Double flowers of dark wine-red with silvery reverse. One of our very finest Lilacs. 2 to 3 ft., \$1.25.

Edith Cavell. Very showy, creamy white flowers in extra large, long, cone-shaped panicles. Buds of deep, rich cream color. A favorite of many Lilac connoisseurs. 2 to 3 ft., \$1.25.

Pres. Grevy. Considered by many as the most satisfactory of the blue Lilacs. This is also one of the outstanding varieties in the large collection at the Arnold Arboretum. Large, compact clusters of double flowers of very fine blue. 2 to 3 ft., \$1.00.

(Our special collection price of \$2.95 for spring delivery only.)

Write for our complete list of Lilacs.

TAMARIX SUMMER GLOW

Hispida Aestivalis Rubra. 8 to 10 ft. Magnificent new variety with wine-red flower spikes that appear all during the summer. Feathery grey-green foliage. 2 yr., No. 1, 75c.

OCEAN SPRAY

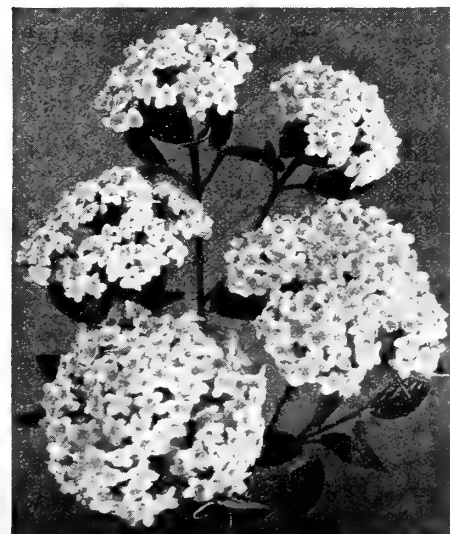
Holodiscus Discolor. 3 to 5 ft. This shrub is appropriately named, as the graceful large clusters of drooping, creamy white flowers in July remind one of breaking, small white caps of waves. It is hardy, except in extreme north, does best in a sunny place and is a useful landscape shrub for border planting. 2 to 3 ft., 90c; 3 for \$2.40.

VAUGHAN'S NURSERY CATALOGUE

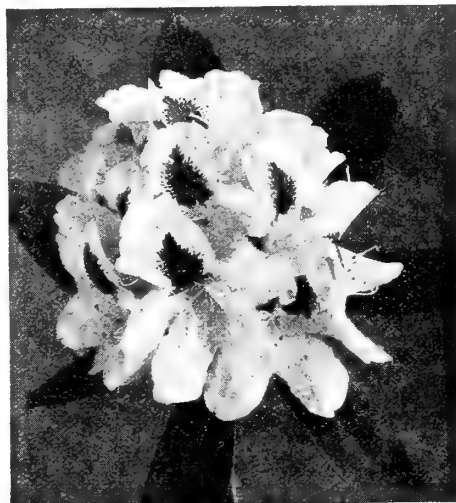
Listing and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request.

GARDENIA SCENTED SNOWBALL

Viburnum Burkwoodi. 5 ft. Here is a new garden aristocrat that will become a real favorite as soon as it is better known. It is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Foliage is rich, glossy green, brilliantly tinted in autumn. Resembles the popular *Viburnum Carlesi*, but blooms 2 weeks earlier and is a much better shrub. 15 to 18 in., \$1.75; 18 to 24 in., \$2.25.



VIBURNUM BURKWOODI



HYBRID RHODODENDRON SEEDLING

Hybrid Rhododendron Seedlings. These mixed seedlings, varying in color from white to deep crimson, are easily the finest of the broad-leaved evergreens, ideal for all landscape and garden purposes. Their bold evergreen foliage, crowned with clusters of handsome flowers in May and early June, make them a valuable addition to evergreen groups which are now becoming so popular for home plantings. Mixed colors only. 12 to 15 in., B. & B., with flowering buds, \$2.00; 2 for \$3.75; 15 to 18 in., B. & B., with flowering buds, \$2.75; 2 for \$5.00; 18 to 24 in., B. & B., with flowering buds, \$3.50; 2 for \$6.75.

ESPALIER or TRAINED FRUIT TREES

Ask for our circular, with prices, illustrating these highly ornamental and productive Trees, which are especially suited to the small garden and for special purposes.

FUCHSIA SCARLET BEAUTY

FUCHSIA Scarlet Beauty

Gloriously beautiful new Plant Sensation.

Fuchsia Riccartoni (Plant Patent No. 440) 3 to 4 ft. Words cannot do justice to this plant but picture to yourself an upright plant having from twenty to forty stems, and which from the middle of June until severe frosts will bear upwards to five thousand flowers one and one-half inches long, of rose-red, with corolla of mulberry purple, and you will visualize that which is destined to become the greatest "Plant Sensation" in many decades. The plants have very pleasing foliage, and are truly a sight to behold. Hardy. Will succeed in shade and requires plenty of water. 3 in. pot plants, 65c; 3 for \$1.50.

BARBERRY (Berberis)

Korean Barberry (*Berberis Koreana*). 6 ft. A tall, dense, slender stalked variety. Its large, nodding green leaves, paler beneath, turn red orange and purple in the autumn and are especially effective at that time, when the colored veins give marked contrast as they change in September. Has bright red berries that hang on late into winter. 18 to 24 in., 75c; 10, \$6.50; 100, \$40.00; 24 to 30 in., 85c; 10, \$7.50; 100, \$50.00.

Mentor Barberry (*Berberis Mentorensis*). (Patent No. 99.) 3 ft. It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and as dark green as the Japanese Yew. With us here the leaves remain green until after the holidays, but are dropped in late winter. An ideal shrub for low hedges or foundation plantings. 15 to 18 in., 55c; per 10, \$3.75; per 100, \$30.00; 18 to 24 in., each, 70c; per 10, \$5.00; per 100, \$40.00.

Truehedge Columnberry (*Berberis T. Erecta*). (Patent No. 110.) 4-5 ft. It is decidedly more dense, more upright and more richly foliaged than the common Thunbergi. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 15 to 18 in., each, 35c; per 10, \$2.70; per 25, \$5.50; per 100, \$19.00; 18 to 24 in., each, 40c; per 10, \$3.20; per 25, \$6.75; per 100, \$24.00.

4 NEW BUDDLEYAS \$150 (Butterflybushes)

One each of those listed below.

A very pretty class of shrubs, bearing during July and continuing until frost, long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance. The stalks die to the ground each winter but come up vigorously again in the spring.

Charming. 4 ft. A glorious variety, bearing elegant long sprays of lavender-pink blooms. Is decidedly pink in color as compared with other varieties.

Dubonnet. 4 ft. A splendid new color, matching that of the French Dubonnet wine, glowing red in the sun or under artificial light.

Hartwegi. 4 ft. Large bright lavender blooms of unusual beauty on thrifty compact bushes. Unequaled as a cut flower.

Ile de France (New). 3 to 4 ft. A French variety, much superior in its brilliant rosy violet-purple color.

Prices of above, field grown, each, 50c; 3 for \$1.25.

Vaughan's Irises



PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Iris is the most effective if planted 3 of a kind in a clump.

★Indicates outstanding garden varieties.

OUTSTANDING VARIETIES

★**Ambassadeur** 40 in. S. smoky bronze; F. dark velvety maroon. A strong grower with large flowers. Late. 20c; 3 for 30c.

Blue Triumph. 42 in. A magnificent Iris, considered the finest light blue yet introduced. Huge stalks, carrying from 12 to 15 flowers widely set apart. 50c; 3 for \$1.00.

California Gold. 36 in. A super novelty with magnificent, large flowers of dazzling, deep golden yellow. Good garden variety as it does not fade. Late. 60c; 3 for \$1.50.

★**Cheerio.** 40 in. Considered the most brilliant of all the red toned Irises. S. golden tan flushed rose; F. rich, glowing velvety red. A "must have" for your garden. 60c; 3 for \$1.50.

Copper Lustre. 36 in. Dykes Medal, 1938. Considered "the Iris of the Century." Its flowers are of huge size and its color a blend of glowing copper and gold with iridescent sheen. Nothing quite like it. \$1.25.

Corrida. 30 in. Small flowers of exquisite pure blue. Ideal for cutting and for table decoration. 20c; 3 for 30c.

Dauntless. 40 in. A brilliant rose red self with flaring falls that appear darker because of their velvety quality. Dykes Medal 1929. 25c.

Desert Gold. 30 in. An early blooming, fragrant soft luminous yellow of good form and excellent substance. 25c; 3 for 50c.

★**Dolly Madison.** 38 in. A most outstanding blend of colors. S. mauvette shading to yellow at base; F. flaring, lilac tinged old gold. 25c; 3 for 50c.

★**Gold Imperial.** 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. 20c; 3 for 30c.

Gudrun. 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. 35c.

★**Happy Days.** 40 in. An immense clear yellow most easily described as a yellow El Capitan. Perfectly branched, with each stalk carrying 7 or 8 massive blooms. 50c; 3 for \$1.00.

Imperial Blush. 40 in. branching stalks. Delightfully fragrant; free flowering. 35c; 3 for 75c.

Labor. 36 in. An extraordinary Iris of new color. S. dark violet heliotrope suffused with a coppery glow; F. deeper shade. 20c; 3 for 30c.

Missouri. 36 in. Dykes Medal, 1937. Of sensational size and unquestionably one of the best of all blue Irises. S. clear vivid blue; F. slightly darker; semi-flaring. Form and substance extra good. 75c.

De Luxe Iris Collection. One each of Cheerio, Gudrun, Happy Days, The Black Douglas and War Eagle (value \$2.95) for \$1.95 prepaid.

★**Morning Splendor.** 40 in. A fine American introduction that has been awarded three medals. S. Petunia-violet; F. rich raisin-purple. The flowers are large, and fragrant. Late. 20c; 3 for 30c.

★**Pink Satin.** 42 in. Large, finely shaped flowers of a very delicate and smooth, yet glistening pink. The most outstanding of all the American pink Irises. 25c; 3 for 50c.

★**Selene.** Extra large white, a real giant. Never fails to bloom; fragrant; early. 20c.

★**Sensation.** 38 in. Enormous corn-flower blue flowers of perfect form and heavy substance. A perfect flower. 25c; 3 for 50c.

The Black Douglas. 48 in. S. dark violet; F. blackish violet. Very fine, richly colored Iris of good form and texture. 50c; 3 for \$1.00.

War Eagle. 40 in. S. light red-purple; F. red-purple with black shadings. Very large blooms, 7 inches in height. In effect, a rich, glowing deep red. Profuse bloomer. 50c; 3 for \$1.00.

Twelve Iris Aristocrats \$2.00

Catalogue Value \$3.20. Prepaid 300 Miles From Chicago

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

★**Alta California.** 48 in. Superb flowers of deep golden yellow, faintly bronzed, on strong branched stems. Blooms of firm texture, unmarred by sun or rain. An extra fine new yellow and hardy everywhere. 25c; 3 for 50c.

★**Black Wings.** 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster. A striking variety that is easily grown and deliciously fragrant. 30c; 3 for 60c.

★**Crystal Beauty.** 40 in. Large, perfectly shaped flowers of pure snow white on well branched stalks. Said to be the whitest white of all Irises. 25c; 3 for 50c.

★**Ethelwyn Dubuar.** 38 in. Very fine large flowers of deep pink with delightful ruffling. Decidedly bigger and better than any other in its color class. 35c; 3 for 70c.

★**Frieda Mohr.** 42 in. A gigantic lilac-pink bicolor 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring. Exquisite locust-like perfume. 25c; 3 for 50c.

Surprise Iris Collection. Twelve beautiful varieties (which includes the giant Selene) in a rainbow of colors, our selection (value \$2.40) labeled for only \$1.00.

Standard Varieties

We have a large collection of these in named varieties in all colors. List of varieties mailed on request. Price, 20c; 3 of one kind for 30c; 12 of one kind for \$1.00.

DWARF IRISES

Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

Price, except where noted, 25c each; 3 of one kind for 40c.

Dixmude. S. aniline blue; F. rich crimson-purple. 20c; 3 for 30c.

Orange Queen. Clear yellow, orange beard.

Spring Skies. Lovely light blue, the shade of the Belladonna Larkspur.

Special Offer No. 100-B. 12 Dwarf Irises, 6 each Dixmude and Orange Queen (value \$1.40) for \$1.00.

SIBERIAN IRISES

Price, except where noted, 25c; 3 of one kind, 40c; 12 of one kind, \$1.25.

Butterfly. 36 in. Lovely porcelain blue flowers; vigorous grower.

★**Emperor.** 48 in. Large flowers of a deep, rich violet-blue. Very fine.

Orientalis. 24 in. Rich purple. Fine for naturalized plantings. 3 for 30c.

★**Perry's Blue.** 48 in. Large, flowers of a beautiful shade of sky-blue.

Fall Blooming Irises

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

★**Autumn King.** 30 in. A blue-purple bicolor of fine size. 20c; 3 for 30c.

Autumn Queen. 18 in. Pure white flowers of good size and quality. 25c.

★**Eleanor Roosevelt.** 28 in. An outstanding variety of very fine deep velvety purple. 25c; 3 for 50c.

Jean Siret. 15 in. A dwarf yellow of exceptional merit. Gives a long season of bloom in both the spring and fall and often blooms in the summer. Is classed as an everblooming Iris. 25c.

Lieutenant de Chavegnac. 15 in. Deep red violet with the same everblooming habits as Jean Siret. 25c.

★**Ultra.** 14 in. A beautiful ultramarine blue bicolor. Very popular variety. 20c; 3 for 30c.

★**El Capitan.** 40 in. Huge flowers of light violet-blue. A magnificent variety that is wanted by everyone that sees it. Exhibition blooms have measured 7 inches across and 9 inches high. 25c; 3 for 50c.

★**King Juba.** 36 in. A brilliant, large flowered variegata of striking appearance. S. pure clear yellow; F. deep velvety red. 25c; 3 for 50c.

★**President Pilkington.** 46 in. Very large form and glorious blend. S. pale buff with a faint bluish suffusion; F. wide and flaring, lavender blue with a buff suffusion. Extra fine. 25c; 3 for 50c.

★**Rameses.** 36 in. Dykes Medal 1932. A large blend of russet rose, pink and buff with a yellow glow at the center; large apricot beard. A vigorous healthy grower and free bloomer. 25c; 3 for 50c.

★**Red Dominion.** 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red; nearly black. One of the most popular Irises grown. 30c; 3 for 75c.

★**Sir Michael.** 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. 25c; 3 for 50c.

★**Valor.** 52 in. Velvety blackish violet-blue bicolor of huge size and perfect shape on very tall stems. Rich and startling in effect. 25c; 3 for 50c.

JAPANESE IRISES (Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny moist location, but not where water will stand. Price, except where noted, each 35c.

Azure. Immense mauve-blue with darker halo surrounding yellow center. Double.

★**Gold Bound.** Double. White with gold-banded center. Earliest.

★**Mahogany.** Large double flowers of velvety-mahogany red. Late.

Norma. Exquisite silky lavender-pink with clear blue halo surrounding a yellow blotch at center. Fine large double. The best pink. 75c.

★**Purple and Gold.** An enormous double of violet-purple, gold center.

Seacrest. Six large wavy white petals with deep blue haft.

Uchiu. Cerulean blue, veined white; gold center. Blooms a long time. Double.

★**Zama-No-Mori.** White slightly shaded azure blue. An extremely large single and one of the most beautiful in our collection. 50c; 3 for \$1.25.

SPECIAL OFFER NO. 100-A One each of above 8 Japanese Irises (Value \$3.35) for..... **\$2.00**

Fertilizers are delivered within 25 miles of New York by Freight or Express at our Option.
Errata.—Prices on fertilizer in our catalogue are F. O. B. Chicago. Following are New York prices.

Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

Vaughan's Lawn and Garden Fertilizer (5-8-6)

Five percent nitrogen; eight percent phosphoric acid; six percent potash.—This mixture differs from our balanced plant ration in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$15.50; 1000 lbs., \$29.00; 2000 lbs., \$55.00.

Vaughan's Balanced Plant Ration (5-8-7)

Five percent nitrogen; eight percent phosphoric acid; seven percent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$16.50; 1000 lbs., \$30.00; 2000 lbs., \$57.50.

Aluminum Sulphate. For creating acid condition in the soil. Price, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 7½-lb. bag, \$1.00; 25 lbs., \$2.25; 150 lbs., \$10.50. Write for booklet.

Agrico. Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods—stimulating quick growth in early spring—providing slowly available plant food all season long. We are in a position to furnish Agrico fertilizers especially formulated for every crop and soil condition. Information and prices on larger quantities on request.

FOR LAWNS, TREES AND SHRUBS. 7-7-5. Put up in cotton paper-lined bags. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

FOR GARDENS. 4-10-4. Put up in cotton paper-lined bags. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.40; 50 lbs., \$2.40; 100 lbs., \$3.75.

Bone and Blood. Tankage. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except if used in connection with potash salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$19.00; 1000 lbs., \$36.00; 2000 lbs., \$70.00.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants.

Price, 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00; 500 lbs., \$24.00; 1000 lbs., \$47.00; 2000 lbs., \$90.00.

Fairway Grass Food. Compounded for the feeding of turf grasses and for no other plant or purpose. Recommended by leading turf specialists and agronomists for use on lawns, golf courses and parkways. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$18.50; ton, \$70.00.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, 1 lb. can, 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75; 100 lbs., \$9.00.

Granulated Fertilizer. The modern way of applying fertilizer is blown away by the wind, even distribution, safe and economical to apply. Available in two formulas, 6-6-5 and 5-8-7. 6-6-5 for lawns, 100 lbs., \$4.00. 500 lbs., \$18.00; 1000 lbs., \$35.00; ton, \$60.00. 5-8-7 for gardens, 100 lbs., \$3.75; 500 lbs., \$16.00; 1000 lbs., \$30.00; ton, \$55.00.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards. Canadian Imported.

Price, 25 lbs., \$1.20; 50 lbs., \$1.75; 100 lbs., \$3.00; 500 lbs., \$12.00; 1000 lbs., \$23.00; 2000 lbs., \$45.00.

Hyponex Plant Food. For growing plants in sand soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Price, 3 ozs., 40c; 1 lb., \$1.00; 10 lbs., \$8.00.

Humus. Recommended for top-dressing or use on heavy clay soils. Price, 100-lb. bags, \$2.00; 500 lbs., \$9.50; ton, \$25.00.

Kem. A complete concentrated liquid plant food for growing plants in soil or without soil. The complete balanced diet for plants, grass, shrubs in instantly usable form. Odorless and harmless, Kem contains all essential elements necessary for proper growth including the element which produces Vitamin B-1 within the plants. Dilutes up to 89 to 1. House plant size, 25c; quart 50c; gallon, \$1.00; case of 4 gallons, \$3.75.

Leaf Mold. For correcting of clayey and sandy soil conditions. Price, 100 lbs., \$2.50; 1000 lbs., \$18.00; 2000 lbs., \$30.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Price 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$4.00; 500 lbs., \$19.50; 1000 lbs., \$33.50; 2000 lbs., \$62.00.

REGULAR BONE MEAL.—Price, 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$3.75; 500 lbs., \$16.50; 1000 lbs., \$29.00; 2000 lbs., \$57.00.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$16.00; 1000 lbs., \$28.00; 2000 lbs., \$55.00.

SHEEP MANURE WIZARD BRAND

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.10; 100 lbs., \$3.00; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$45.00.

Shredded Cattle Manure Wizard Brand. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 100 lbs., \$3.50; 500 lbs., \$16.00; 1000 lbs., \$28.00; 2000 lbs., \$55.00.

Lime, Hydrated. Price, 5 lbs., 25c; 50 lbs., \$1.25; 100 lbs., \$2.00; 500 lbs., \$8.00; ton, \$25.00.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$2.00; 500 lbs., \$9.00; 1000 lbs., \$15.00; 2000 lbs., \$27.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash. Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; ton, \$70.00.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops. Price, 5 lbs., 60c; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00. Write for prices on larger quantities.

Nitrate of Soda or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding. For the Home Garden apply as a solution, one ounce to two gallons of water. Price (subject to market changes), 1 lb., 25c; 5 lbs., 60c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$4.00; 500 lbs., \$18.00; ton, \$60.00.

Nitrophoska. A highly concentrated inorganic fertilizer, clean and odorless. 15 percent nitrogen, 30 percent phosphoric acid and 15 percent potash. 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75. Write for prices on larger quantities in original bags.

Peat Moss, Granulated. A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Bale of about 20 bushels, \$4.50; ½ bale, \$2.90.

Plantabbs. The high analysis plant food tablet containing the proper amount of Vitamin B-1. Box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; can of 1000 tablets, \$3.50.

Potting Soil. (Blended) Price, 25 lbs., 75c; 50 lbs., \$1.20; 100 lbs., \$2.00.

Poultry Manure. Use it to enrich the soil for flowers, shrubs, lawns and garden. Price, 100 lbs., \$3.75; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$48.00.

Scotch Soot (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms. Price, 25 lbs., \$2.50; 50 lbs., \$3.50; 100 lbs., \$6.00.

Stimulant Tablets. For potted plants. 30 tablets, 25c; 100 tablets, 75c; 500 tablets, \$2.50.

Sulphate of Ammonia. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet. Price, 5 lbs., 50c; 25 lbs., \$1.50; 50 lbs., \$2.25; 100 lbs., \$4.00; 500 lbs., \$17.00.

Super Phosphate. Twenty percent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Price, 5 lbs., 45c; 25 lbs., \$1.25; 50 lbs., \$1.75; 100 lbs., \$2.75; 500 lbs., \$10.00; 1000 lbs., \$16.00; 2000 lbs., \$30.00.

Tree Food. (10-8-6). Made especially for nurserymen and tree experts, a dependable plant food for increasing the growth and development of shade and ornamental Trees, Shrubs and Evergreens. Price, 100 lbs., \$4.00; ton, \$60.00.

Vigoro. Is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Price, 5 lbs., 50c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Vaughan's High Grade Fertilizers

THERE are three chemical elements of plant food commonly used in fertilizers. They are nitrogen, phosphates and potash. A balanced fertilizer is one which contains all three, and gives a complete diet to the crop. And the composition of a balanced fertilizer is commonly expressed in a formula of three numbers with hyphens between, thus, 5-8-7. The first indicates the pro-

portion of nitrogen; the second, the proportion of phosphates; the third, the proportion of potash.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125, and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 pounds, owing to close quantity prices, the customer pays all freight or express charges.

Vaughan's Lawn and Garden Fertilizer (4-8-6)

Four percent nitrogen; eight percent phosphoric acid; six percent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25; 500 lbs., \$13.75; 1,000 lbs., \$26.00; 2,000 lbs., \$49.00.

Vaughan's Balanced Plant Ration (5-8-7)

Five percent nitrogen; eight percent phosphoric acid; seven percent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash), which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.65; 100 lbs., \$4.25; 500 lbs., \$20.00; 1,000 lbs., \$38.00; 2,000 lbs., \$74.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 7½ lb. bag, \$1.00; 25 lbs., \$2.50; 150 lbs., \$11.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$4.75.

Dricone Improved. Fertilizer with a peat-moss base impregnated with a high grade manure. Price, per 50 lb. bag, \$2.35; 5 bags for \$11.00; 10 bags for \$21.00.

Electra Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. Price, 25 lbs., \$4.25; 50 lbs., \$6.50; 100 lbs., \$11.00.

Fertilizer Spreader, Model B, Vigoro. An inexpensive spreader, holds about 15 lbs. of fertilizer. Can also be used for sowing grass seed. Each, \$2.95. For Larger Spreaders See Page 110.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, 1 lb. can, 30c; 5 lbs., \$1.00; 25 lbs., \$3.00; 50 lbs., \$5.25, in original bags.

Fulton's Plantabb. Completely balanced plant food including vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; postpaid.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards.

Price, 25 lbs., \$1.25; 50 lbs., \$1.95; 100 lbs., \$3.25; 500 lbs., \$12.50; 1,000 lbs., \$23.00; 2,000 lbs., \$44.00.

Horn Shavings. Quick acting and lasting. Price, 5 lbs., 95c; 25 lbs., \$2.65; 50 lbs., \$4.25; 100 lbs., \$7.75.

Kem Liquid Plant Food. For summer use. A complete balanced ration for lawns, plants and trees. A nutrient solution containing all essential elements; nitrogen, phosphate, potash, including calcium boron, sulphur, etc. Merely dilute Kem solution with hydrant water. Directions on container. House plant size, 25c; qt. size, 50c; gal. size, \$1.25.

Line, Hydrated. A neutralizer for soil acidity. Price, 10 lbs., 35c; 50 lbs., \$1.25.

Leaf Mold. For correction of clayey and sandy soil conditions. Per bushel, \$1.25; per bag of two bushels, \$2.25.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$1.35; 500 lbs., \$5.00; 1,000 lbs., \$7.50; 2,000 lbs., \$13.50.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. Price, 100 lbs., \$2.45; 500 lbs., \$9.00; 1,000 lbs., \$16.00; 2,000 lbs., \$29.00.

Liquid Vita. A liquid plant food contains all the necessary elements. ½ oz. will make 1 gal. of solution. Price, 12 oz., 50c; qt., \$1.00; gal., \$3.50.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash; contains no filler. Price, 1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. Price, 25 lbs., \$1.00; 50 lbs., \$1.65; 100 lbs., \$2.75; 500 lbs., \$12.50; 1,000 lbs., \$23.00; 2,000 lbs., \$42.00.

Mowrah Meal. A worm remover in powder form, easy to apply, acts as a fertilizer and its effects are lasting. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 100 lbs., \$4.75.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops. Price, 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$3.85; 500 lbs., \$17.50.

Nitrate of Soda or Chili Saltpeter. 16% Nitrogen. For the home garden apply as a solution, one ounce to two gallons of water. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$16.00; 1,000 lbs., \$30.00; 2,000 lbs., \$58.00. Write for prices on larger quantities.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3¼ percent; total phosphoric acid, 22 percent. Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.60; 100 lbs., \$4.25; 500 lbs., \$19.00; 1,000 lbs., \$37.00; 2,000 lbs., \$72.00.

STEAMED BONE MEAL. Price, 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$3.95; 500 lbs., \$17.00; 1,000 lbs., \$33.00; 2,000 lbs., \$65.00.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$1.65; 100 lbs., \$2.35; 500 lbs., \$10.25; 1,000 lbs., \$17.25; 2,000 lbs., \$33.50.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 25 lbs., \$1.25; 50 lbs., \$1.85; 100 lbs., \$2.75; 500 lbs., \$11.25; 1,000 lbs., \$19.00; 2,000 lbs., \$36.00.

Nitragin. The Original Legume Inoculation.

Culture A. For alfalfa, sweet clover, burr clover and hubam clover. ½ bu. size, 30c; 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white. ½ bu. size, 30c; 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture C. For all vetches, Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. ½ bu. size, 25c; 1 bu. size, 40c; 5 bu. size, \$1.70; 12½ bu. size, \$4.00.

Culture D. For Beans. String, snap, wax, navy, kidney and scarlet runner. ½ bu. size, 25c; 1 bu. size, 40c; 5 bu. size, \$1.70.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Bu. size, 30c; 2 bu. size, 50c; 5 bu. size, \$1.00; 10 bu. size, \$1.40; 25 bu. size, \$2.90.

Culture L. For all Lespedeza. Bu. size, 30c; 2 bu. size, 50c; 5 bu. size, \$1.00.

Culture S. For soy beans, all varieties. Bu. size, 30c; 2 bu. size, 50c; 5 bu. size, \$1.00; 10 bu. size, \$1.40; 25 bu. size, \$2.90.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Pkt., 10c; three for 25c; each packet will treat up to 6 lbs. of seed.

Peat, Orchid. Very useful for orchids and azaleas. Price, \$3.75 per sack of about two bushels.

VAUGHAN'S PEAT MOSS

IMPORTED HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 6 bushels when broken up finely, \$2.60; large bale of about 20 bushels, \$4.75.

Super Phosphate. Twenty percent available. Price, 25 lbs., \$1.10; 50 lbs., \$1.70; 80 lbs., \$2.10; 480 lbs., \$9.25; 960 lbs., \$17.00; 2,000 lbs., \$32.00.

Sulphate of Ammonia. Used for its nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet. Price, 25 lbs., \$1.45; 50 lbs., \$2.25; 100 lbs., \$3.45; 500 lbs., \$14.95.

Vaughan's Special Tree Food. 10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of ¼ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil.

Promotes heavier foliage, new growth; leaves come out earlier in spring, hang on later in fall and have better color. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.85; 500 lbs., \$17.50.

VAUGHAN'S CONCENTRATED PLANT FOOD.

A most useful fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer. It contains all the chemical elements known to be of value as plant food.

Package containing food for 20 plants for 3 months; large package containing sufficient plant food for one year. Directions in packages. Small packages, each, 20c, if by mail, 25c; large packages, each, 30c, if by mail, 35c.

Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Stim U Plant Tablets. For potted plants. Per pkg., 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c.

Zoom B-1. The only liquid vitamin B-1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. drop-per-top bottle, enough to make 250 gallons of solution. Price, \$1.00.

Write for Prices on Clay's Fertilizer and Scotch Soil. These Prices Are Subject to Change Without Notice.



Newest Improved Sprays and Dusts

Add Postage According to Weight and Zone (Page 112).

Shipping weights, pint, 2 lbs.; qt., 3 lbs.; gal., 10 lbs.

ACME COPPER QUEEN. A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers, and plants. Price, 8-oz. can, 35c; pt., 60c; qt., 95c; gal., \$2.25.

ACME COPPER SHIELD PRUNING PAINT. Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Pt., 40c; qt., 65c; gal., \$2.00.

ACME DAWG-GONE. Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year, winter or summer. Tubes, 25c each or 6 for \$1.25.

ACME GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 35c; postpaid, 45c.

ACME SCIENTIFIC ROSE SPRAY. Consists of three elements A, B, C, for complete protection from sucking and chewing insects, black spot and other fungus diseases. The number indicates number of gallons of spray each set will make. Price, No. 3 set, 95c; No. 6 set, \$1.50; No. 24 set, \$4.00; No. 48 set, \$6.00; No. 96 set, \$9.75.

ACME STOP. A tree-banding compound which prevents insects from crawling up trees. 6-oz. can, 35c; 1 lb., 65c; 5 lbs., \$3.00.

FORMALDEHYDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Price, 1 lb., 75c; 5 lbs., \$2.00; 25 lbs., \$5.50; 50 lbs., \$9.00.

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup, price, 60c; extra jars each, 10c. 4-oz. bottle syrup, 35c. Pint bottle of syrup, 50c; gal., \$2.75.

ANTROL ANT POWDER. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. 4½-oz. can, 35c.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Each, 10c; 6 for 50c.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup, price per set, 40c.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.

APEX ANT KILLER. Thallium sulphate kills ants in their nests. Each, 25c; 5 for \$1.00.

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. Price per 3-oz. tube, 35c; 12-oz. tube, 95c.

APHINE. pt., 75c; 1 qt., \$1.10; 1 gal., \$3.00.

ARSENATE OF LEAD (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb. carton, 35c; 4 lbs., 95c; case of 24 lbs., \$4.50; 100 lbs., \$15.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 80c; 10 lbs., \$5.50; 100 lbs., \$37.50.

BLACK LEAF 40 is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1-oz. bottle, 35c; 5-oz. can, \$1.00, makes 40 to 100 gallons; 1-lb. bottle, \$2.25, makes 40 to 200 gallons; 2-lb. can, \$3.25, makes 200 to 500 gallons; 5-lb. can, \$5.85, makes 400 to 1000 gallons; 10-lb. can, \$10.60, makes 840 to 2100 gallons.

BORDEAUX MIXTURE (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. 1 lb., 35c; 4 lbs., 95c; case of 24 lbs., \$4.50.

BUG GUN. A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust, each, 35c, postpaid, 50c.

CALCIUM ARSENATE (Dry). Lb., 35c; 4 lbs., 85c.

CARBON DISULPHIDE. For ants and cut worms. (By express only.) 1 lb., 50c; ¼ lb., 25c.

CORROSIVE SUBLIMATE. U.S.P. powder. Write for price.

CUPROCID. Use for dusting seeds to insure germination, and prevent damping off. May be used as a spray for mildew, etc. 4 oz., 35c; 1 lb., \$1.00; 5 lbs., \$4.25.

CYANOGAS A DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4-oz. tin, 30c; ¼ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. For aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (By express only.) Write for leaflet.

DENDROL. A dormant spray oil. Gal., \$1.25; 5-gal. drum, \$5.00; 15-gal. drum, \$9.00.

DERRISOL. Is an odorless, non-poisonous liquid which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 oz., \$1.20; 1 lb., \$2.25; 10 lbs., \$12.00.

DOG-SHO. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Qt., 75c; gal., \$1.75.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c; by mail, 70c.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

FLOWERS OF SULPHUR. For dusting. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Pt., 65c; qt., \$1.10; gal., \$3.00.

FUNGITROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. ½ pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Lb., 40c; 5 lbs., \$1.50; 25 lbs., \$6.50.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.25; 10 lbs., \$4.00.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 30c; pt., 50c; qt., 75c; ½ gal., \$1.50; gal., \$2.50; 5 gals., \$10.00.

LETHANE 440. A very effective insecticide for controlling red spider and mealy bug. qt., \$2.25; gal., \$7.00.

LETHANE SPREADER. Qt., \$100; gal., \$2.25.

LIME SULPHUR. (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 50c; 1 gal., \$1.25; 5-gal. can, \$4.25. Write for prices in barrel lots.

MAGNETIC SPRAY Wettable Sulphur. Can be used as a combination spray with other insecticides. Price 4-lb. bag, 50c; 24 lbs. for \$2.50.

NAPHTHOLINE FLAKES. 5 lbs., \$1.60; 25 lbs., \$4.00.

NAPTOCIDE. New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$14.00.

NEW EVERGREEN SPRAY. Non-poisonous insecticide. No spreader required; retains its strength. Oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.00; gal., \$11.00.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 5-lb. tin, \$4.00; 10-lb. tin, \$7.00.

NICO-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. ½-lb. can, 60c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. 1 lb., \$2.50; 4 lbs., \$6.50; 8 lbs., \$12.00.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.50; 144 sheets, \$5.50; 288 sheets, \$10.00.

NICOTINE PYROX. For chewing and sucking insects. 17.6 oz jar, 50c; 5 lbs., \$2.00.

NIKOTEEN. 30% grade. For spraying and fumigating. Oz. bottle, 35c; ½ pt., \$1.00; pt., \$1.75; 3 pts., \$5.00; original case 10 pts., \$16.00. 40% grade, 4 lbs., \$7.00; 8 lbs., \$12.00.

NOMOLE. The modern, easy, inexpensive way to destroy moles. They cannot resist the pleasing taste; they devour it and are quickly and surely destroyed. Price, 14-oz. box, \$1.10; 28-oz. box, \$2.00; 9-lb. can, \$7.65.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. ¼ lb., 20c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

PENETROL. An activator for nicotine spraying solutions. Qt., 85c; gal., \$2.00; 5 gals., \$7.50.

PESTGO. A modern insecticide treatment for trees, shrubs and bushes. A protection to young trees against rabbits, gophers, etc. Qt., 75c; gal., \$2.50.

PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 40c; qt., 75c; gal., \$1.75.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00.

POMO GREEN. With nicotine. Lb., 75c; 5 lbs., \$3.00.

PYRETHRUM POWDER. Lb., 85c; 5 lbs., \$3.75; 10 lbs., \$6.75.

PYROTE. A combination spray consisting of Rotenone and Pyrethrum. Oz., 35c; 6 oz., \$1.00; pt., \$2.00; gal., \$12.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, 25 lbs., \$5.00; 50 lbs., \$7.25; 100 lbs., \$12.50.

RED ARROW Garden Spray Pyrethrum Rotenone. Non-poisonous, kills by contact, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; 4 oz., \$1; pt., \$2.85; qt., \$5.40; gal., \$15.00.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Oz., 35c; ½ pt., \$1.00; pt., \$1.75; qt., \$3.00; gal., \$8.00.

ROTEGREEN. Very effective for thrip, red spider and mealy bug in addition to the more easily controlled pests. Does not burn and leaves no poisonous residue. Pt., \$2.00; qt., \$3.50; gal., \$12.00.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., 75c; gal., \$1.60; 5 gals., \$6.00; 10 gals., \$10.00. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Price, gal., \$4.00; 5 gals., \$16.75.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Prices, 2 oz., 35c; 1 lb., \$2.25; 5 lbs., \$9.90; 25 lbs., \$45.50; 100 lbs., \$180.00. Write for leaflets, stating for what purpose desired.

Write for leaflets on Semesan, Semesan Jr., Semesan Bel. and Ceresans.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5-lb. tin, \$1.00; 25-lb. bag, \$3.00; per keg, 125 lbs., \$12.50; barrel, 250 lbs., in bulk, \$25.50.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, ½ lb., 35c; 4 lbs., 85c; 15 lbs., \$3.00; 50 lbs., \$8.00.

STANLEY'S CROW REPELLENT. Protects seed corn from damage by crows, moles, squirrels, etc. ½ pt., 60c; pint, \$1.00; qt., \$1.75.

SULFOCIDE. A concentrated sulphur fungicide for fruits, vegetables and flowers. Qt., 85c; gal., \$2.25.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$3.75.

SULPHUR Special grade for dusting. 2-lb. shaker top can, 25c.

SULROTE. A non-poisonous Rotenone-Sulphur dusting mixture for flowers and vegetables; a combined insecticide and fungicide controls bean beetles, worms, black spot, and mildew. Price, 1 lb., 40c; 5 lbs., \$1.25; 25 lbs., \$5.00; 100 lbs., \$17.00.

TARTAR EMETIC. The new recommended spray for control of gladiolus thrip. Price, ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Pt., 65c; qt., \$1.25; gal., \$4.80.

TOBACCO DUST (Regular Grade). 5 lbs., 40c; 10 lbs., 75c; 100 lbs., \$4.00.

TOBACCO STEMS. 100 lbs., \$2.50; 500 lbs., \$9.50; 1,000 lbs., \$18.00.

TREE TANGLEFOOT. Perfect safeguard for trees. 6 oz., 35c; 1 lb., 70c; 5 lbs., \$3.25; 10 lbs., \$6.25; 25 lbs., \$12.75.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. A, small kit, makes 16 qts., \$1.50; B, medium kit, makes 64 qts., \$4.00; C, large kit, makes 32 gals., \$6.00; D, estate kit, makes 128 gals., \$20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 40c; pt., 75c; qt., \$1.10; gal., \$3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. ½ pt., 35c; qt., 80c; gal., \$2.50; 5 gals., \$7.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Price, ½ pt., 40c; qt., \$1.00; gal., \$3.00; 5 gals., \$12.00.

Sprayers and Dusters for Insecticides

BIGHEAD HIGH PRESSURE KNAP- SACK SPRAYER



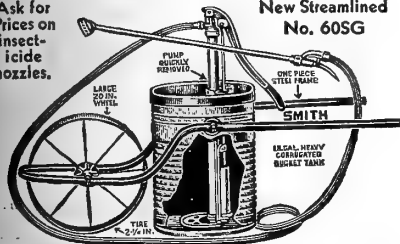
A continuous high pressure sprayer easily develops 100 pounds pressure. Operates with right or left hand. Capacity 4 gallons. Patented agitator.

No. 45GA Galvanized tank.....Each \$15.50
No. 45BA Copper tank.....Each 19.95

WHEELBARROW SPRAYER

New Streamlined
No. 60SG

Ask for
Prices on
insect-
icide
nozzles.



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. With extralong handle and large air chamber, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, \$18.95; with Silver-town 16x4 inch pneumatic tire \$28.50.

Shipping weight, 80 lbs.

No. 60 S. P. G. Same as above, but with pressure tank and gauge. Price, \$29.75.

No. 60 B. P. G. Same as above, with pressure tank and gauge equipped with balloon pneumatic tire. Price, \$35.75.

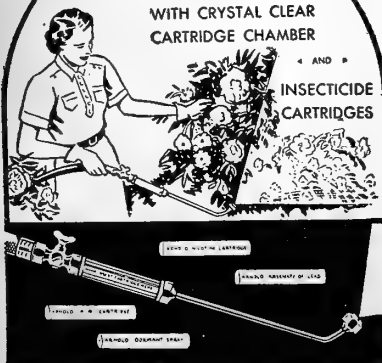
BAMBOO EXTENSION ROD



Brass lined. Eight feet long, with stop cock and brass drip shield. Each, \$4.25; 10 ft., \$4.50.

Garden Hose Sprayer

WITH CRYSTAL CLEAR
CARTRIDGE CHAMBER



A special mixing and spraying nozzle which attaches to your garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, \$2.50. Combination set, sprayer and six cartridges, your selection, chrome finish, each, \$4.50.

36 inch extension, straight or angle, chrome finish, \$1.50.

We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, Sulphur, Bordo or Arsenate of Lead. Price, each, 30c; three for 85c; doz., \$3.25.

DOBBIN'S BIGHEAD SPRAYER



5 1/2" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

No. 44G Galvanized tank. Each \$6.35
No. 44B Copper tank. Each 9.95

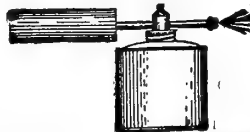
BLIZZARD COPPER CONTINUOUS SPRAYER



Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$2.00.

PNEUMATIC SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying. Galv. tank, \$1.35; all brass, \$1.95.



MIST MAKER

For spraying plants, clothes, moth liquids, etc. Jar made of sturdy glass cap, 11 oz. Metal parts are of brass except handle and plunger tab which are of steel, all being heavily nickel plated. Stands 7 inches high. Price each, 60c.



SMITH'S LIGHT- NING SPRAYER



A durable, low priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3 1/2 gallon capacity.

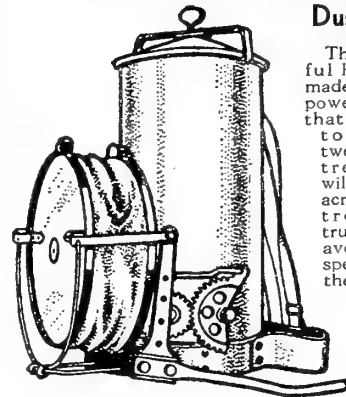
Price, galvanized, \$3.95; brass, \$7.45.

New Model C. C. C. Spray Pump

Sprays tall trees, disinfectants, whitewash and cold water paints, in barns, stables, poultry houses. Equipped with adjustable nozzle which sprays three ways. Price, \$6.85.



Dusters and Blowers The American Beauty Dust Sprayer



The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$22.00. Write for leaflet.

FEENEY MODEL B DUSTER



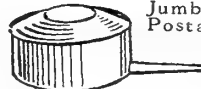
Splendid Hand Duster. Each, 85c. Post-paid, 95c.

POWDER GUNS

CYCLONE

Small size, 25c.
Jumbo size, 45c.
Postage, extra,
each, 5c.

JUMBO



SUPERBUILT UNIVERSAL DUSTERS No. 200



A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows, including return bends which are adjustable for forward or rear dusting.

No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator.....Each \$12.70
No. 100, capacity 3 to 6 pounds, complete with attachments for forward dusting but no return bends furnished.....Each \$9.95

DOBBIN'S IMPROVED HAND DUSTER



Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap.

No. 132 Duster.....Each \$1.25



HAND SPRAYER 50c
Full qt. size

GARDEN MULCH PAPER

Gator-Hide mulch paper, impregnated with asphalt. Type A, 300 lineal yards, 18-in. wide, approximately 60 lbs., \$5.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18 in. wide, approximately 30 lbs., \$3.00 per roll; 36 in. wide, approximately 60 lbs., \$6.00 per roll. Small garden size roll, 45 lineal feet. Price, 50c; by mail, 70c.



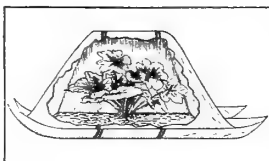
HOTKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, \$10.75; 5,000 lots, \$10.50 per M; 10,000 lots, \$10.25 per M; 250 Trial Package including Garden Setter with Tamper, \$4.00; 100 Home Package, including Garden Setter with Tamper, \$2.75; Germaco Hotkap Steel Setter with Tamper, \$1.50; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.; Garden Setter alone, 50c.



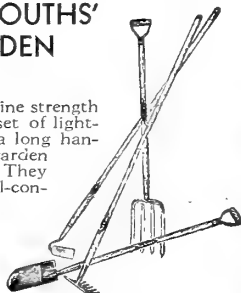
HOTENTS

Protect and force all varieties of plants where a large plant protector is needed. Made of a scientifically manufactured paper which is extra strong. 10 1/2 x 14 1/2

inches at the base, creating 152 1/2 square inches of protected ground, they are 8 1/2 inches high. Hotents are strong, being supported with two patented covered wire bows fastened to the under side and running parallel across the body. Packed 500 to a carton, and weigh 35 lbs. per carton. Price, per carton, \$7.50; per 100, \$2.00; setter, each, \$1.95

LADIES' AND YOUTHS' SET OF GARDEN TOOLS

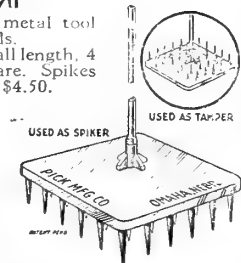
Well constructed; combine strength and light weight. This set of light-weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, \$4.35.



SPIKE TAMP

An indestructible all metal tool made of quality materials.

Weight, 13 lbs. Overall length, 4 feet. Plate 9 inches square. Spikes 1 1/4 inches long. Each, \$4.50.



EVEREADY SMUDGE STOVES

Will drive away mosquitoes, flies, and insects. Has a pleasant odor, lasts from 14 to 24 hours. Each, 30c; doz., \$3.00.

WREN HOUSE No. 16



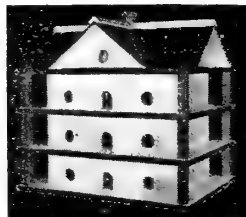
This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$1.25; white and green, each, \$1.50.

Blue Bird House similar to the above, stained brown, \$1.00.

MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, \$12.00. Painted two coats in white and green, \$15.00.

Twenty-eight compartment house, three stories high, unpainted, \$15.00. Painted two coats white and green, \$18.00.



WREN HOUSE

Model No. 101.

Attractive bird cottage for the wren, completely assembled and painted. Size 7x7x11 inches. Weight 2 1/2 lbs. Each, \$1.75.



No. 101

SOD SPIKER

For cultivating the soil beneath the lawn to receive the needed soil foods, such as water, fertilizers, peat, sands, etc. Price, \$1.75.



O. K. ELECTRIC GRASS CUTTER

Trimmer and Edger

For formal gardens, terraces and small steep lawns. Completely finishes, no other implements needed. Will also trim hedge, cuts any way moved or held. Weight 5 lbs. A real implement. Price, \$17.00.



O. K. ELECTRIC HEDGE TRIMMER

No gears, no bottom to choke up, does not disturb cut after made. It is a quality, practical trimmer. Home use, \$8.85. Heavy duty, ball bearing, \$15.00.



SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket, each, \$1.50.

SHOVEL. Razor Back. Same construction as spade. Each, \$1.50.

EUREKA CRAB GRASS KILLER

An amazing new chemical which effectively eliminates Crab Grass in lawns. Kills both the seeds and plants, preventing recurrence the following year. Must be applied in fall when Crab Grass is in seed-forming stage, not toxic to soil. 1 lb. treats 1,000 to 2,000 sq. ft. Price, 1 lb., \$1.50; 2 lbs., 2.50; 5 lbs., \$4.50.

GLAZING MATERIALS AND POTS



MASTICA. For glazing green-houses, hotbeds, sash, etc., better than putty; does not crack, always remains soft. Per gallon, \$2.95.

MASTICA MACHINE. For applying above. (Weight, 1 1/2 lbs.) Each, \$3.35.

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, \$2.95.

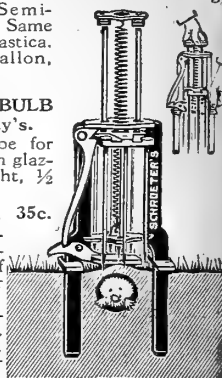
PUTTY BULB

Putty Bulb Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, 3/2 lb.) Each, \$1.75.

PUTTY KNIFE. Each, 35c.

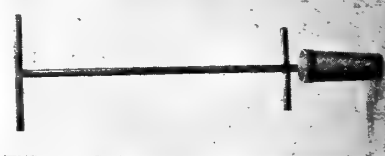
MOLE TRAP IMPROVED, with patented setting attachment. One of the best mole and gopher traps. Each, \$2.00.

MOSS. Sphagnum. Bur-lapped bales. Ea., \$2.00.
SHEET MOSS (Green). Freshly gathered; for windows, boxes, etc. Per sack, \$2.25.



Mole Trap

VAUGHAN'S BULB PLANTER



For planting all kinds of bulbs, especially Gladioli, Tulips and Hyacinths etc. Similar to English type planter, but more durable. Each, \$2.85.

WATER WAND

Watering shrubs, flowers and trees is a simple job with Water-wand; no danger of washing away the rich top soil. Each, \$2.50.



KEEP OFF THE GRASS

Metal Lawn Signs

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size 3 3/4 x 12 inches. Colors, green on white and black on white. Sign words—Please-Seeded—Keep off Grass. Signs with stakes, each, 30c; six for \$1.50.

Vaughan's Subsurface Irrigator

For trees, shrubs, and flowers, irrigates directly at the roots dissolving the plant food in the soil and making it readily absorbable. Standard model each, \$2.75.



Electrimmer

Trims hedges ten times faster. Can also be used for trimming grass in all those places where a lawn mower won't go. Price, \$29.50. Price includes 6 ft. rubber covered cord. Extra cord, 50 ft., \$2.25; 100 ft., \$3.50.

GARDEN NON-KINKABLE HOSE



Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length, fitted with couplings. There is no economy in buying cheap hose. Price, full $\frac{3}{4}$ -inch, 50 feet, coupled, \$7.25; 100 feet, \$13.95.



A Good Grade Garden Hose, $\frac{3}{4}$ -inch, fitted with $\frac{3}{4}$ -inch couplings. 50 feet length, \$3.25.

Ross Square Spray Heads for Scientific Sprinkling

It sprinkles a square, making it easy for you to install your own underground system at a very low cost. Threaded for $\frac{1}{2}$ inch pipe, capacity $3\frac{1}{4}$ gals. per minute. Has a slotted adjusting screw to control the area of the spray. No.

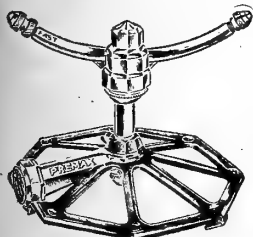
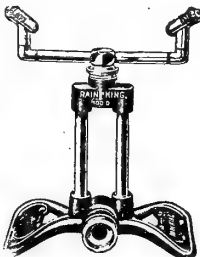
54A. Price, per doz., \$6.00.

Model D Rain King

The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow for stationary sprinkling. Ea., \$2.85.

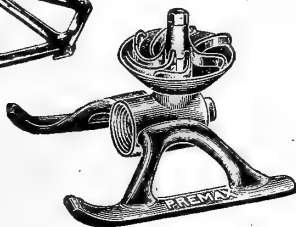
Model H Rain King

Similar in design to D. Model, larger all brass parts, chrome plated. Each, \$3.75.



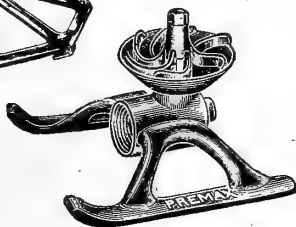
Premax Turbine Sprinkler

Throws a gentle rain in a 4 to 30 foot circle. Price, 60c, postpaid, 75c.

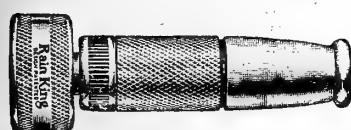


Premax Floating Head Sprinkler

Discharges $1\frac{1}{2}$ times as much water as leading competitors in the same price class, has frictionless bearings that never wear out. Price, \$2.50.



RAIN KING NOZZLE

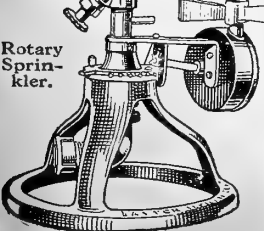


Machined from solid brass; cannot tarnish or corrode. Each, 65c; postpaid, 75c.

LINCOLN PARK OR BUTTERFLY

Cheapest and best sprinkler made. Each, 50c. Mounted on stand: 2-foot, \$1.60; 4-foot, \$1.95; 6-foot, \$2.25.

ROTARY and OSCILLATING SPRINKLER



This sprinkler is adjustable at will from bell-shaped spray to full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, \$9.75; 3 for \$27.75.

ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the small lawn at a much lower cost. When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, \$3.50; weight, 2 lbs.; per set of four, \$4.60, weight, 2 $\frac{1}{2}$ lbs.



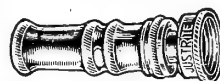
THE EVANSTON SPRINKLER



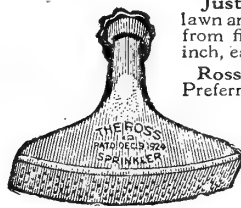
Each, 70c; 3 for \$2.00.



Boston Rose Spray. Brass; for $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.45; by mail, \$1.50.



Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream. $\frac{3}{4}$ -inch, ea., 60c; by mail, 65c.



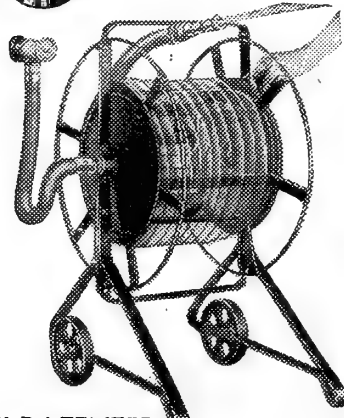
Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, 75c.

Red Rubber Washers. 12 on clip. Per clip, 5c.

HOTHOUSE SPRINKLER



All brass, distributes water evenly; $\frac{3}{4}$ inch connection; 3 inch face, each, 50c; 4 inch face, each, 65c.



NEW PATENTED REAL REEL

Water runs through the reeled up hose on reel; sprinkle without unreeing any more hose than you need. All steel and brass, capacity 125 ft. of $\frac{3}{4}$ inch hose, 100 ft. of $\frac{1}{2}$ inch hose. Frame made of 1"x $\frac{3}{4}$ " steel. The patented flexible joint is solid brass and water-tight. Weight, 25 lbs. packed. Price, \$4.95.

PERFECT CLINCHING COUPLER

$\frac{3}{4}$ -inch, per pair, 25c; doz., \$2.65.

PERFECT CLINCHING HOSE MENDER

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. $\frac{3}{4}$ -inch, each, 10c; doz., \$1.10.

THE COOPER HOSE MENDER

Best hose mender. Brass, with sharp barbs on either end to prevent hose slipping off. $\frac{1}{2}$ or $\frac{3}{4}$ -inch, each, 10c; doz., 95c; 1-inch, each, 12c; doz., \$1.15; postage, 5c doz. extra.



Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. $\frac{1}{2}$ oz., tin, 25c; large size, \$1.00.



Chaperone Liquid Dog Repellent

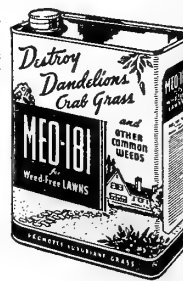
For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz., bottle 50c; 12 oz., can, \$1.00.

"HERBICIDE" THE WEED EXTERMINATOR



For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 50c; gal., \$1.50; 5 gals., \$6.00; 10 gals., \$10.00; 30 gals., \$24.00; 55 gals., \$33.00.

MEO-181. Destroy Dandelions, Crab grass, and other common weeds. Any spraying apparatus which spreads a fine atomized mist is suitable for applying MEO-181. Price, qt., 65c; gal., \$1.55; 5 gals., \$7.25.



ATLACIDE

Non-poisonous Weed Killer Duster, especially recommended for obtaining weed-free driveways, paths, tennis courts, and gutters. 5 lb. can, kills 1,500 sq. ft., price, \$2.70.



WEED KILLER KIT

Killer Kemical kills Dandelions, Thistles, Plantain, Buckhorn and other common weeds. Does not sterilize the soil—Is not poisonous or inflammable—Does not stain walks or clothing—Does not corrode or rust metals.

Killer Kane insures easy and economical application—No stooping or back-breaking. Place Kane on crown of dandelion or weed and press handles lightly. A small amount of Kemical is released and does all the work. Children as well as grown-ups can operate effectively.



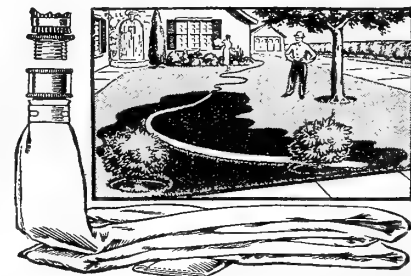
Killer Kits. No-stoop applicator. Killer Kemical enough to kill 1500 weeds. Price, complete, \$1.95.

Killer Kemical, $\frac{1}{2}$ gal., \$1.45; gal., \$2.35; 5 gals., \$9.85.

MOWRAH MEAL—Worm Remover

A worm remover in powder form. Easy to apply; acts as a fertilizer and its effects are lasting. Apply at the rate of 15 lbs. per 1000 sq. ft. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.75; 100 lbs., \$4.75.

SOIL SOAKER



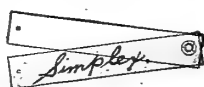
Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries now available for home use. Equipped with regular hose connection for attaching to hose or pipe. No. 0, 12 ft., Price, \$1.25; No. 1, 18 ft., \$1.75; No. 2, 30 ft., \$2.75; No. 3, 50 ft., \$4.50.

Owing to the fluctuations of the market, prices are subject to change without notice.

LABELS

Wooden. For pots, painted.
 100 1000 100 1000
 4-inch....\$0.45 \$2.10 6-inch..\$0.55 \$3.25
 5-inch.... .50 2.75 12-inch.. 1.45 12.50
 Tree, Copper Wired. 3 1/2 in. 100, 55c; 1000, \$3.25.

LABELS, Zinc, Tree.
 Wired 3 1/2 inches long, 3/4 inch wide. Price per doz., 30c; 100, \$1.85.
Simplex, Shrubbery. Doz., 50c; 100, \$3.25.



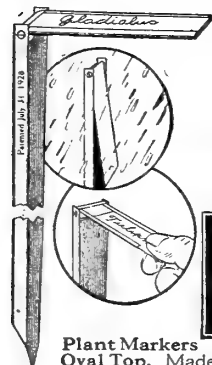
Rose—Los Angeles

SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and steel stylus for marking. No. 31, size 3x 1/2 inch, per doz., 40c; per 100, \$2.50.

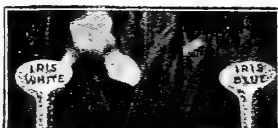
Copper. Indestructible. Tree and shrubbery, copper wired. Small, 30c doz.; 100, \$1.85; large, 40c doz.; 100 for \$2.50.

ZINC

PERMA LABELS. Improved type, all one piece, all metal labels. Price, 100 for 85c; 500 for \$3.75; 1,000 for \$6.75.



PEERLESS PLANT STAKES. Non-rusting, made of copper, bearing galvanized metal, no acid painting or special ink necessary. Use lead pencil for writing names. Name cards are changed easily. 12 in., doz., for \$1.50; 18 in., doz., for \$1.80. Postage extra.



Plant Markers

Oval Top. Made of heavy galvanized sheeting 9 inches long. Price, per doz., 75c; per 100, \$4.25. Special black ink for marking labels, oz. bottle, 60c. **Markers Oval Top for Rock Gardens,** 4 inch, galv., doz., 75c; 100, \$4.25.

"GARDEN KING MARKER"

Treated with a preservative that protects against decay.

Undercut groove contains white chemically treated waterproof name card, covered by a dirt-proof transparent window.

Just use ordinary pencil, and the name will remain for years.

12-inch size, doz., 35c; 3 doz., \$1.00.

18-inch size, doz., 45c; 3 doz., \$1.25.

NEW STEEL WHITE CAP GARDEN MARKER

The 9 inch steel shank is capped with a durable white zinc tablet 5/8 inch wide, 2 3/4 inch long. This name tablet is removable, either side may be written on; just bend the folded ends back, reverse and fold ends over securely. Lead pencil marks stay on for years, yet can be erased if desired. Price, doz., 50c; 30 for \$1.00; 100 for \$3.00. Extra tablets 50c per 100.



GARDEN KING TREE OR SHRUB MARKER
 No. 4A

Waterproof and dirt proof, painted green so that it blends right in with foliage. Doz., 35c; per 100, \$2.00.

Vaughan's Garden



ROOTONE

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, 1/4 oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet; all post-paid.

FRUITONE

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. 2 oz. can, \$1.00, makes 25 gals. of spray; 12 oz. can, \$5.00, makes 150 gals. of spray.

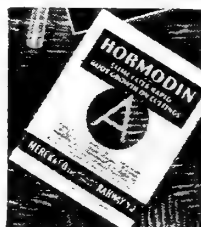
TRANSPLANTONE

The most effective form of vitamin B₁, contains plant hormone, vitamins B and C and other growth substances. One ounce makes 1000 gals. of solution; water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. 1 ounce can, 50c; 3 ounce can, \$1.00; 1 lb. can, \$4.00.

HORMODIN ROOT FORMING CHEMICAL

Hormodin is a hormone-like plant growth substance. Its principal use is to stimulate rapid

root growth on cuttings. Makes it possible for growers to reproduce plants from cuttings with high percentages of successful results. Small size package, 50c. Medium size, \$1.00; 240 unit size, \$2.50; 480 unit size, \$4.50; 960 unit size, \$8.00.



HORMODIN POWDERS

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. Price, 1 1/4 oz. pkg., each, 50c; 1 lb., \$3.00.

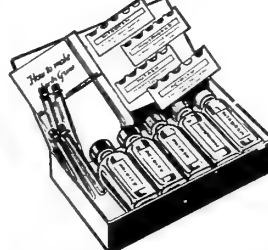
POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price, 1 1/4 oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; 1/2 lb., \$4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included with the package.

Combination package of No. 1-2-3 in one carton, each, 75c.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT



This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, \$2.00.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. 2 oz., 75c; 6 oz., \$1.50.

NEW CLUB MODEL KIT

An inexpensive kit for garden clubs, 4-H clubs, etc. A very good value for amateurs. Cased in attractive imitation leather, makes a wonderful gift. Each, \$4.75.

FLORALIFE

Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each 10c, three pkts. for 25c. Home size tin makes 15 qts, each \$1.00; 50 qt. size, each \$2.50; gift pkg., \$1.00.

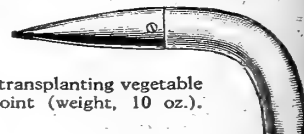


SAXOLIN DU- PLEX CRINKLED WATERPROOF TREE WRAP



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inch wide, about 155 ft. or all. Weight, about 2 1/2 lbs. Ea., 65c; doz., \$6.50.

DIBBER. For transplanting vegetable plants; steel point (weight, 10 oz.). Each, 95c.



POTS (Flower)

F. O. B. Chicago. Write for New York Prices.



RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

	Doz.	100	1000		Doz.	100	Each
2 in.	\$0.35	\$1.45	\$10.25	6 in.	\$1.25	\$ 7.75	...
2 1/2 in.	.40	1.65	12.75	7 in.	1.65	11.75	...
3 in.	.50	2.50	16.25	8 in.	2.25	16.25	...
4 in.	.65	3.00	...	10 in.	...	...	\$0.60
5 in.	.85	5.50	...	12 in.	...	...	.85

GREEN NEPONSSET PAPER POT. Especially adapted for growing.
 2 1/2-inch.....\$0.30 \$1.10 \$ 8.20
 3-inch..... .35 1.35 9.35
 4-inch..... .45 1.85 12.50
 5-inch..... .60 2.35 19.25

POTS (Azalea, Cyclamen or Fern). 1/2 size in height of standard flower pot.

	Each	Doz.		Each	Doz.
6-in.....	\$0.15	\$1.25	9-in.....	\$0.30	\$3.25
7-in.....	.20	1.65	10-in....	.60	...
8-in.....	.25	2.25	12-in....	.85	...

BULB POTS. 1/2 size in height of standard flower pot.
 6-in.....\$0.15 \$1.25 8-in.....\$0.25 \$2.25
 7-in..... .20 1.65 10-in..... .60 5.50

SAUCERS—Green Rubber

Size A, 5-inch, takes up to 6-inch pot... Doz., \$1.95
 Size B, 6 1/2-inch, takes up to 8-inch pot.
 Doz., \$3.20
 Size C, 9 1/2-inch, takes up to 12-inch pot.
 Doz., \$6.60



SAUCERS—Clay

Doz.	100	Doz.	100
5-inch.....\$0.60	\$4.00	9-inch..	\$2.00 \$13.50
6-inch..... .85	6.00	10-inch..	2.85
7-inch..... 1.10	7.50	12-inch..	4.20
8-inch..... 1.45	9.50		

NEPONSSET PAPER POTS. Made of water-proof paper, light, clean and unbreakable.

Doz.	100	1000
2 in.	\$0.15	\$0.70 \$ 4.20
2 1/2 in.	.17	.80 4.80
3 in.	.20	.90 5.20
3 1/2 in.	.25	1.10 6.25
4 in.	.30	1.25 7.35
4 1/2 in.	.33	1.45 8.50
5 in.	.40	2.10 12.45
6 in.	.45	2.35 15.95



Tools and Requisites

BEST YET SUPPORT

Neat appearing, finished in green weather-resisting lacquer and enamel, it blends right in with the foliage. Indestructible, will last for years; made of tubular steel in 26 inch lengths, each having slip joint so that desired increased height can be quickly obtained merely by inserting one stake into another.

Size 1-A—26 inches long, 6½ inch dia. hoop. Doz., \$1.75.

Size 1-B—26 inches long, 10½ inch dia. hoop. Doz., \$1.90.

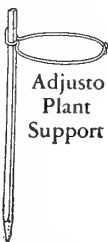
Size 1-C—26 inches long, 14½ inch dia. hoop. Doz., \$2.00.

No. 1-S—Additional stakes 26 inches long, ½ inch thick to fit all size hoops. Doz., \$1.00.



ADJUSTO PLANT SUPPORT.

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake ¾ inch square will stand firmly in the ground. The hoop is of 3 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., \$2.50; 4 ft., doz., \$3.00; 5 ft., doz., \$3.25; extra wire hoops, doz., \$1.50. TOMATO OR PEONY SUPPORTS—Made of heavy galvanized wire.



Adjusto Plant Support

F.O.B. New York. Ea., 35c; doz., \$3.00.

F. O. B. Chicago. Ea., 40c; doz., \$3.25.

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized. Java end is green. Can be adjusted

as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

Per doz. Per 100
30-inch .. \$1.10 \$7.50
36-inch .. 1.35 9.50
48-inch .. 2.40 17.50
60-inch .. 3.00 22.50

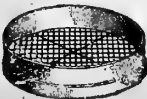
MODEL EXTENSION CARNATION SUPPORTS

Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6½ inches, bottom circle 7½ inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, \$8.50 per 100; 3-ring supports, \$9.50 per 100. Write for price in large quantities.

"TWIST-EMS"

THE PERFECT PLANT TIES

For plants, shrubs, vines, vegetables and for arranging flowers. Just a simple twist of the wrist and the plant is tied. Price per box of 125 8-in. ties, 25c; price per box of 250 4-inch ties, 25c.



SIEVES

For sifting soil, 18 inches in diameter, all sizes mesh from ½ to ½ inch. Each, \$1.95.

PROTECTION FENCE RODS



Stiff strong green enameled rod, supports one or two rows of wire, heavy twine or clothes line. Very handy for circling trees and ornamentals, to keep dogs at safe distance. Six for 60c; Doz., \$1.00.

STAKES—HEAVY TONKIN Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft. ½ to ¾ inch		\$0.80	\$3.50	\$0.90	\$4.00
4 ft. ¾ inch		1.00	4.75	1.15	5.00
5 ft. ½ to ¾ inch		1.30	5.25	1.40	6.00
6 ft. ½ to ¾ inch		1.50	6.00	1.75	6.50
8 ft. ½ to ¾ inch		1.75	6.75	1.95	7.75

STAKES, WOODEN. Painted green.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.	\$1.80	\$12.00
4 ft.	2.45	14.95
5 ft.	2.95	18.95
6 ft.	3.35	22.95
Light Grade (for smaller plants)	Per doz.	Per 100
1 ½ ft.	\$0.45	\$2.35
2 ft. ....	.65	3.75
2 ½ ft. ....	.95	4.95
3 ft.	1.20	7.25

STAKES—JAPANESE BAMBOO Painted Green.

Length	Diameter	Doz.	100	Doz.	100
1 ½ ft.	½ to ¾ inch	\$0.85	\$4.00	3 ft.	1.40
2 ft.	½ to ¾ inch	1.00	5.00	3 ½ ft.	1.50
2 ½ ft.	½ to ¾ inch	1.20	6.00	4 ft.	1.65
Japanese Bamboo not painted, 6 ft. 2.00					14.00

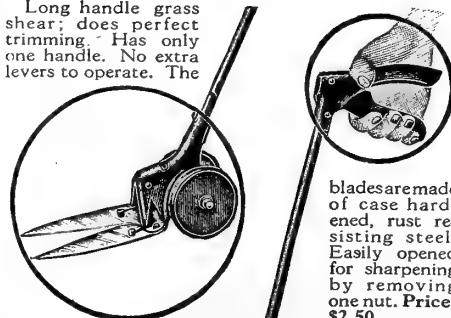
STAKES—Galvanized Wire.

No. 9 Wire Doz.	100	No. 8 Wire Doz.	100
1 ½ ft.	\$0.35 \$1.25	3 ½ ft.	\$0.65 \$2.60
2 ft. ....	.40 1.60	4 ft. ....	.75 2.95
2 ½ ft. ....	.45 2.00	5 ft. ....	.95 3.75
3 ft. ....	.50 2.25	6 ft.	1.00 4.25

Prices wire stakes subject to change without notice.

DOO-KLIP

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$2.50.

Vaughan Wiss-Klip Grass Shear. Same as above with short handle. Each, 85c. By mail, 95c.



WISS GRASS SHEARS. Finest quality with rubber grip. Each, \$1.35; postpaid, \$1.50.



WISS High Power Pruner. No. 906B. Gun-metal finish, each, 95c; heavy duty, full polished, \$1.85.

FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, \$1.50.

National Eezy Wear Garden Gloves

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, 75c a pair, postpaid.



TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required, add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure, depth in inches.

No.	Each	Four	No.	Each	Four
1. 6x6	\$0.80	\$3.00	9. 14x13	\$2.10	\$7.80
3. 8x8	.85	3.20	11. 16x15	2.50	9.40
5. 10x9	1.10	4.20	13. 18x17	3.35	12.80
7. 12x11	1.60	6.00	14. 19x18	4.00	15.20

SHEARS

Border—English Imported. Long handle for trimming the edges of borders and walks. 9-inch, \$6.25.

Border—American made Disston quality, 9-inch, \$4.95.

Write for leaflets and prices on Motor Mowers.

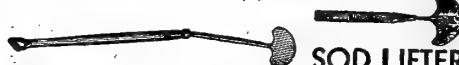
SCYTHE



English, Riveted Back, 30-inch, \$3.25. 36-inch, \$3.50. Scythe Snath, each, \$1.95. Scythe Stone. Natural, 25c each.

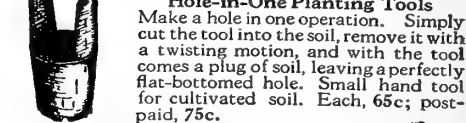
TURF EDGER

American.....Each, \$1.35



SOD LIFTER

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle, 2¾ feet. Length over all, 4 feet. Price, each, \$2.75.



Hole-in-One Planting Tools

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 75c.



THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. \$5.00.



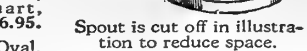
FORESTER PRUNERS

No. 1—20 inches long, designed for home use. Each, \$5.00. Weight, 2 lbs. 10 oz.
No. 2—27 inches long, has a capacity up to 1½ inch. In green wood. Price, \$6.00. Weight, 4 lbs. 10 oz.
No. 3—34 inches long, capable of cutting up to its rated capacity (up to 2 inches) in any so-called hard wood, such as oak, maple and beech. Weight, 7 lbs. 4 oz. Each, \$7.00.



WATERING POTS

American. Heavy galvanized round can, two copper-faced roses, long spout: 4 quart, \$4.95; 6-quart, \$5.50; 8-quart, \$6.25; 10-quart, \$6.50; 12-qt., \$6.95.
French Style. Oval, otherwise same make as above, 6-quart, \$6.25; 8-quart, \$6.50; 10-quart, \$7.50; 12-quart, \$7.95.



KNIVES

Budding. Aluminum handle. Each, \$1.75; by mail, \$1.80.

Budding and Prop. Two blades; white handle; brass caps. Each, \$1.50; by mail, \$1.55.

Propagating. "The Vaughan," best of all. Each, \$1.75; by mail, \$1.85.

Pruning. Stag handle. Each, \$2.25; by mail, \$2.50.

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.

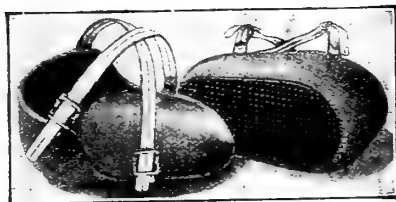


CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10 1/2 inches long over all. Fitted with a durable wood handle finished in red. Each, 65c; by mail, 75c.

HOE. English Scuffle or Push. 6-inch, \$1.25; 8-inch, \$1.50. Without handle.



KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down when walking. Price, \$1.50; postpaid, \$1.65.

NEW SCIENTIFIC FERTIL SPRAY

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of solid brass. Price, \$1.25; postpaid, \$1.35.

Garden Gadget

Can be used as a transplanter for planting bulbs and small plants, also as two separate trowels. Each, 60c; postpaid, 70c.

SPRINKLERS, Scollay's Rubber.

Best sprinkler for plants, ferns and flowers, holds 10 fluid ounces. Large, \$1.45. By mail, \$1.50.

Spra-Bulb.

An indispensable household help used in spraying in and outside the home, ideal for moistening laundry and spraying powder on plants and animals. Each, 95c.



Scollay's

SYRINGES—Brass.



No. 0. Length 12 1/2 in.; 15-16 in. in diam. \$3.25
No. D. 15 1/2 in. long, 1 1/2 in. in diam. 4.75
No. 5. Best for general greenhouse use. 7.85
No. 11. 18 in. long, 1 stream, 2 sprays. 6.85

GARDEN LINE REEL. (Weight, 2 lbs.) Each, \$1.35.

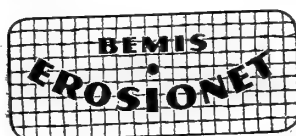
GARDEN LINE. Each heavy braided. Per 96 feet, 95c; by mail, \$1.00.

GRAFTING WAX. Per 1/4 lb. bar, 20c; 1/2 lb. bar, 35c; 1 lb. bar, 60c.



USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces

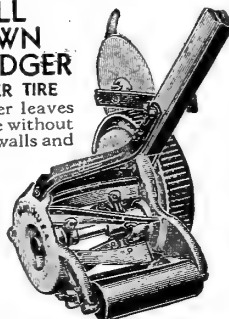


Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2 1/2 in. high. Width 45 inches. Price per yd., 11c; 25 yd. lots, 10c per yd.; 100 yd. lots, 9c per yd.; rolls of 250 yds., 8 1/2 c per yd.

MASTERS BALL BEARING LAWN TRIMMER and EDGER

WITH MOLDED RUBBER TIRE

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each, \$7.75, with edger, \$8.65.



GREENLEE EARTH AUGER

A handy auger for drilling holes to feed plant food to trees and shrubs. 2-inch size with 6-inch twist; length 40 inches overall. Each, \$3.50.



Berghman Lawn Mower Sharpener.

A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.00.

LAWN EDGER. No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. Price, \$2.00.

THERMOMETERS



Standard Grade Tested



Hotbed

THERMOMETERS. Tin Case. 8-in. 50c.

Hotbed. Brass point, wooden frame, \$3.00.

Self-Registering. With magnet to set it, 8-inch, each, \$7.50; registers highest and lowest temperature.

Tin Case. Standard grade, tested. 8-inch, each, \$1.50.

White Porcelain Enamelled with red spirit tube, easy to read. Each, 60c.

Thermometers shipped by parcel post at purchaser's risk only.

BOXES

BOXES—Cut Flower.—Vaughan's "Green" Grade, green lined, moisture-proof board. Very popular. Packed 25 complete boxes per bundle.

Size, inches	Weight per 100	Per 100	Size, inches	Weight per 100	Per 100
3 x 21 x 5	45 lb.	\$8.75	3 1/4 x 30 x 5	75 lb.	\$12.50
3 1/2 x 24 x 5	60 lb.	10.50	4 x 24 x 8	85 lb.	14.95
5 x 42 x 8	170 lb.	24.50	5 x 28 x 8	105 lb.	17.00
5 x 36 x 8	135 lb.	23.00			

"SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum or green.

Model	Height	Width	Length	Price
Model A	8 inches	8 inches	23 inches	\$3.50
Model B	8 inches	9 1/2 inches	29 inches	4.00
Model C	8 inches	9 1/2 inches	35 inches	4.50
Model D	8 inches	9 1/2 inches	41 inches	5.00
Model E	8 inches	12 inches	12 inches	3.00
Model F	12 inches	12 inches	12 inches	3.50

"SUCCESS" PORCH BOXES (Model D)

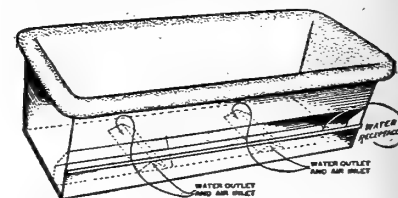
Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

No.	Length	Price	No.	Length	Price
23	42-in.	\$5.50	25	60-in.	\$7.60
24	48-in.	6.25			

We supply all plants for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00.

Let us advise you in your selection of plants. We can please you and save you money.



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i.e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

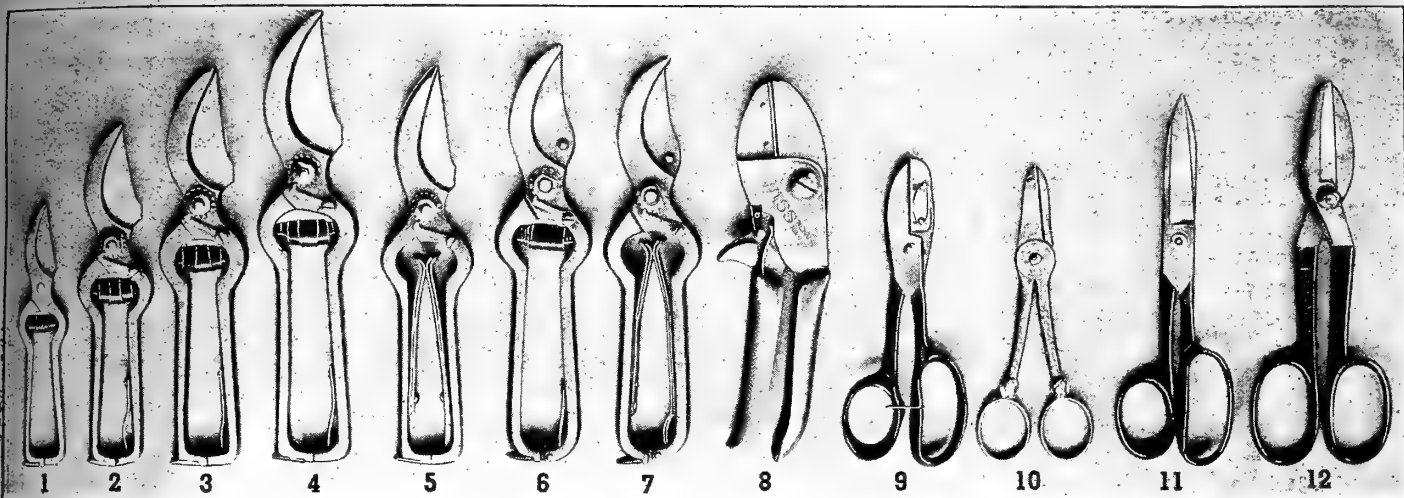
Length	Width	Depth	Price
24-in.	8 1/2-in.	6 1/4-in.	\$1.50
30-in.	8 1/2-in.	6 1/4-in.	1.95
36-in.	8 1/2-in.	6 1/4-in.	2.75
42-in.	8 1/2-in.	6 1/4-in.	3.45

VASE. Cemetery. Earthen, green, 10-inch, sharp point, each, 45c; 3 for \$1.25. Shipped by parcel post at purchaser's risk only.

FLAME SHOOTER GUN

General utility torch indispensable on the farm, garden, barn, etc. handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs., burns kerosene, range oil, stove or light furnace oil. Price complete, \$17.85 (weight 17 lbs.).





Vaughan's Quality Garden Tools

HAND PRUNING SHEARS

Illustrated above.

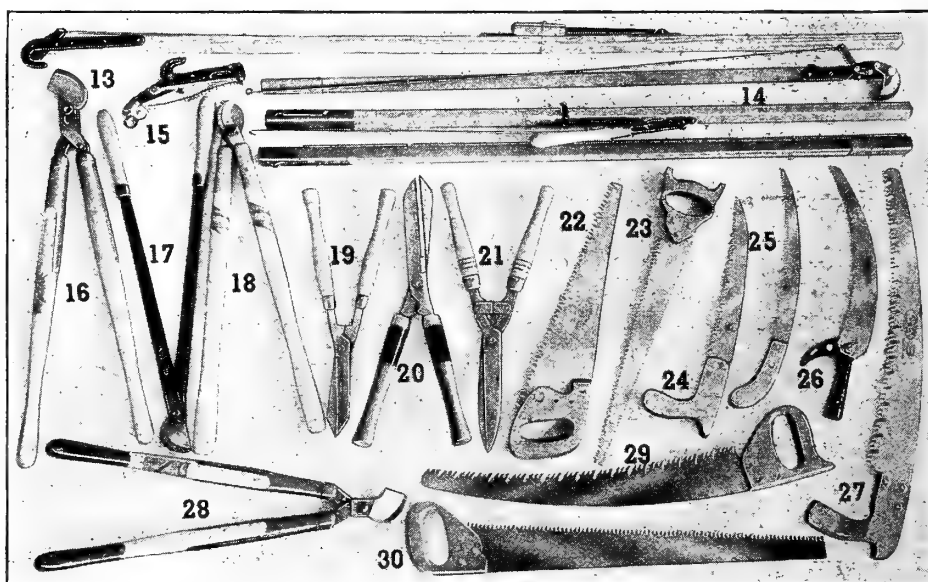
- No. 1—Ladies' 6-Inch Nickel Plated, each, \$1.60.
 No. 2—Henckel Steel, imported, full polished, 7 1/2-inch with ratchet, each, \$4.50.
 No. 3—Same as No. 2, 8 1/2-inch, each, \$5.25.
 No. 4—Same as No. 2, 9 1/2-inch, each, \$6.00.
 No. 5—California Pattern, Henkel Steel, imported, with brass spring and ratchet, 8 1/2-inch, each, \$5.50.
 No. 6—American Made, full polished, 9-inch with ratchet, each, \$1.85.
 No. 7—American Made, full polished, brass spring with ratchet, 9-inch, each, \$2.00.

CUT FLOWER SHEARS

- No. 8—Heavy Duty Snap Cut Pruner, each, \$1.85.
 No. 9—Flower Gatherer, holds cut stem, large size, each, 75c.
 No. 10—Flower Gatherer, holds cut stem, nickel plated, each, \$2.00.
 No. 11—Flower or Wire Scissors, each, \$1.50.
 No. 12—Tin or Wire Snips, each, \$1.50.

TREE AND HEDGE PRUNERS

- No. 13—Waters Tree Pruner, 6-ft. pole, each, \$2.35.
 No. 13A—Same as No. 13, 8-ft. pole, each, \$2.65.
 No. 13B—Same as No. 13, 10-ft. pole, each, \$2.85.
 No. 13C—Same as No. 13, 12-ft. pole, each, \$3.00.
 No. 14—Bartlett Tree Pruner, 12-ft., three 4-foot poles jointed, complete, each, \$7.50.
 No. 15—Telephone Pruner Head, can be attached to any pole, each, \$2.50.
 No. 16—Clyde Draw Cut Pruner, 24-inch handles, each, \$3.95.
 No. 17—Disston All Steel Pruner, wood handles, 28 inches over all, each, \$3.50.
 No. 18—Double Cut Brush Pruner, 30-inch, each, \$3.00.
 No. 19—Ladies' Hedge Shears, full polished serrated blade, each, \$1.50.
 No. 20—American Made Hedge Shears, with pruning notch, best quality, 8 1/2-inch, each, \$1.65.
 No. 20B—Same as No. 20, 10-inch, each, \$2.10.

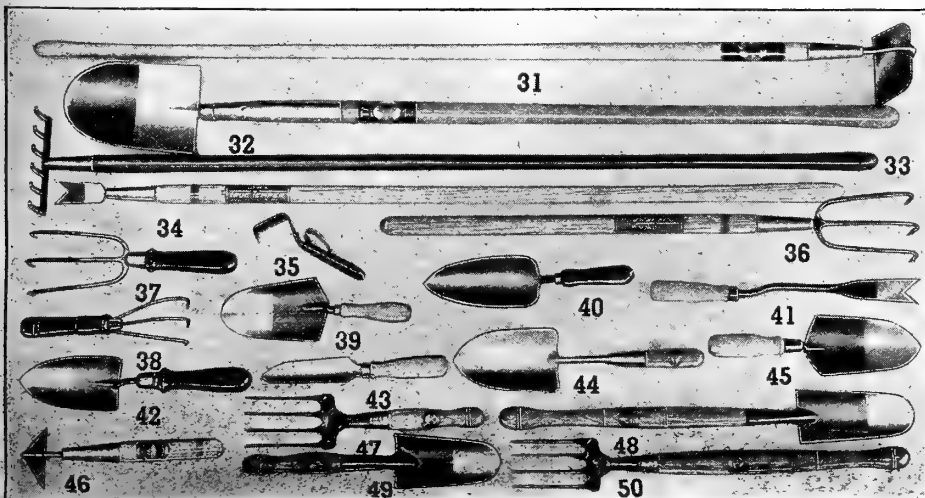


- No. 21—Wiss Highest Quality English Pattern Hedge Shears, shock-proof, with metal covered shock absorbers with pruning notch, 8 1/2-inch, each, \$2.95.
 No. 21A—Same as No. 21, 9 1/2-inch, each, \$3.25.
 No. 22—Tuttle Tooth Pruner, 20-inch, each, \$3.25.
 No. 23—Double Edge Pruning Saw, Silver Steel 16-inch blade, each, \$1.85.
 No. 23A—Same as No. 23, 18-inch blade, each, \$2.00.
 No. 23B—Same as No. 23, 20-inch blade, each, \$2.15.

- No. 24—Handy All Round Pruning Saw, each, \$1.75.
 No. 25—Hand-Curved Pruning Saw, each, \$1.75.
 No. 26—California Pole Pruner, each, \$2.60.
 No. 27—Utility Speed Pruner, 26-inch, each, \$3.95.
 No. 28—Buckeye Pruner, 20-inch handles, each, \$2.00.
 No. 28A—Same as No. 28, 26-inch handles, each, \$2.50.
 No. 29—Utility Speed Pruner with D handle, each, \$3.95.
 No. 30—Forester Pruner, makes heavy pruning easy, 26-inch blade, each, \$2.45.

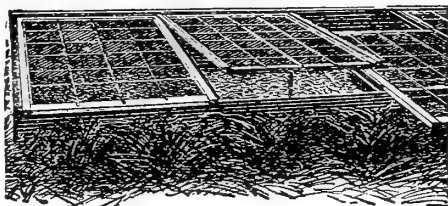
PLANTING AND CULTIVATING TOOLS

- Nos. 31, 32 and 33—Three Piece Ladies' Garden Set, consisting of rake, spade and hoe, set of three, \$2.25.
 No. 34—Long Handled Weeder, each, \$1.00.
 No. 35—Lang's Weeder, each, 25c.
 No. 36—Eureka Weeder, long handle, each, 75c.
 No. 37—Eureka Weeder, short handle, each, 60c.
 No. 38—Magic Weeder, each, 20c.
 No. 39—Polished Garden Trowel, each, 35c.
 No. 40—Imported Steel Shank Trowel, unpolished, each, 60c.
 No. 41—Asparagus Knife or Dandelion Digger, notched edge, each, 45c.
 No. 42—Ladies' True Temper Trowel, each, 75c.
 No. 43—Transplanting Trowel, each, 25c.
 No. 44—Forged Steel Shank Trowel, each, 95c.
 No. 45—All Steel One-Piece Trowel with wood handle, each, 95c.
 No. 46—Cultivator or Tree Scraper, each, 50c.
 No. 47—Imported English Marple Four Prong Fork, with hard wood varnished handle, each, 85c.
 No. 48—Imported English Marple Trowel, with hard wood varnished handle, each, \$1.00.
 No. 49—Imported English Marple Trowel, with hard wood varnished handle, each, 90c.
 No. 50—Imported English Marple Fork, with hard wood varnished handle, each, \$1.00.



HOTBED SASH

HOTBED SASH. 3x6 feet, 1 3/4 inches thick, made from clear grade genuine tidewater gulf Red Cypress, for three rows 10 inches wide glass, lapped, nailed together with white-leaded joints, reinforced across the center with galvanized flat steel bar; open, unglazed, each \$7.50; 3 for \$7.25; doz., \$24.60. Glazed, painted one coat, 10x14 inches double strength flat drawn greenhouse glass, each, \$5.35; 3 for \$14.95; doz., \$54.60.



HEATING CABLE

Electric cable for heating hotbed. New type Okobestos, corrosion proof, nickel chromium wire, felted asbestos insulation, lead sheath. Sixty feet heats 6x6 ft. bed. Price F. O. B. Chicago, \$6.00. Extra cable, per ft., 10c. Complete installation instructions furnished.—**Thermostat.** General electric soil heating, to control cable heat; 110 or 230 volt, A. C. Will handle up to ten beds. F. O. B. Chicago, \$11.00.

SEED FLATS. Made from genuine Red Cypress, knocked down, bundled in bundles of 20 flats each, with nails.

Inside Dimensions		Per Bundle of 10
No. 2.	22 3/4 x 15 x 2 3/4 inches	\$2.90
No. 1.	20 x 14 x 2 3/4 inches	2.60
No. 2-A.	22 3/4 x 15 x 3 3/4 inches	3.40
No. 1-A.	20 x 14 x 3 3/4 inches	2.90

In less than bundle, 3c per flat additional.



VITAPANE
A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, \$9.25. 1/2 roll \$5.00.

CEL-O-GLASS

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and for many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, \$1.35; 25 ft. roll 3 ft. wide, \$9.75; 100 ft. roll, \$35.00.

GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2 1/2, small, for single thick glass; No. 2 3/4, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c. Siebert's Improved. Easy to drive, and will not wedge or crack glass, 2 sizes, 3/8 and 1/2 inch long. Price per lb., 70c; by mail, 80c.



HOTBED MATS AND VIO-RAY WINDOW FABRIC

Milo Water-proof Hotbed Mats. A combination of heavyweight burlap felt and absorbent pulp, cemented together with a specially prepared water-proof compound absolutely impervious to rain, sleet and snow; proof against frost; repellent to rats and mice. Easy to handle, wears for years.

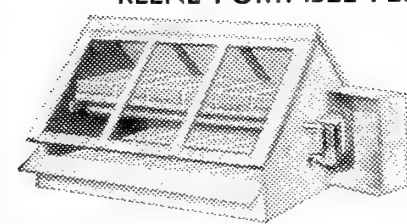
Size, 40x78 inches. Each, \$2.60; doz., \$27.00.

Size, 78x80 inches. Each, \$4.75; doz., \$48.00.

Continuous lengths 40 inches wide, per foot, 38c, 78 inches wide, per foot, 75c.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weather-proof and water-proof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 32c; 10 yd. roll, \$3.00; 25 yds., \$6.25.

KEENE PORTABLE PLANT STARTERS



weight 85 lbs. Price with oil burning unit, \$25.95.

Model 10, same size with electric unit, \$27.95.

Model 2—30 flat size, 31x67 inches, 26 inches high, shipping weight 125 lbs

Price with oil burning unit, \$31.95. Same size with electric unit, \$33.95.

Flats. For portable plant starters, each, 17c.

BASKET-MAKING MATERIALS

Add postage to your order if to go by mail. The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc.		Bunch	Lb.	Per Lb.
Natural, Best Grade, about 2 oz.		\$0.15	\$0.65	\$0.60
Colored, about 1 oz.		.15	1.10	1.05
Needles, for Raffia work, per package.				.15

Reeds White Prime the Best Quality

Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

5-lb. Lots.		5-lb. Lots.		5-lb. Lots.	
No.	1/2-lb. Lb.	Per Lb.	No.	1/2-lb. Lb.	Per Lb.
No. 1.	\$0.55	\$0.95	No. 6.	\$0.33	\$0.60
No. 2.	.50	.90	No. 7.	.30	.55
No. 3.	.45	.80	Flat Reed, 3/8-inch	.40	.75
No. 4.	.40	.70	Split Reed, No. 6	.40	.75
No. 5.	.35	.65	All numbers above, per bunch, 15c.		

NEW HANDY SEEDER

This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 50c, postpaid.



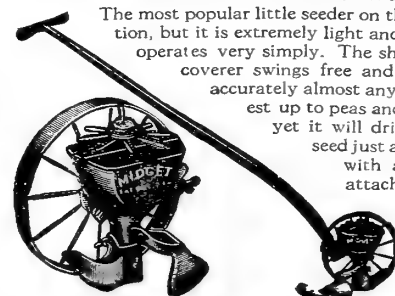
SOWRITE SEEDS SOWER MODEL B

SOWS SEEDS AT A TOUCH
SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually, prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, 50c, postpaid.



MIDGET SEEDER WITH HANDLE

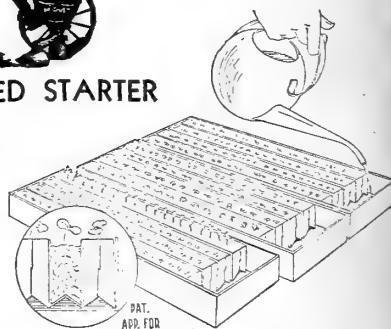
The most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4 1/2-foot handle. Full directions attached to every Seeder.



Price, \$4.85

HANDY INDOOR SEED STARTER

Three Sturdy attractive water-proofed cardboard boxes 11-1/4 x 5-3/4 1-3/4 inches deep, in a set fitted with four handy seed trays, wood grain finish. All three boxes are nested into one package with the trays included inside, and a general instruction sheet and the complete set fully wrapped in Cellophane. Per set 50c; postpaid, 60c.

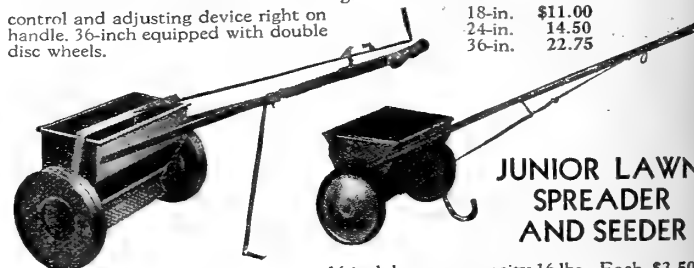


MASTERS' PERFECT FERTILIZER DISTRIBUTOR

control and adjusting device right on handle. 36-inch equipped with double disc wheels.

Spreads any kind of commercial fertilizer, grass seed and top dressing. It has a shut-off

18-in.	\$11.00
24-in.	14.50
36-in.	22.75



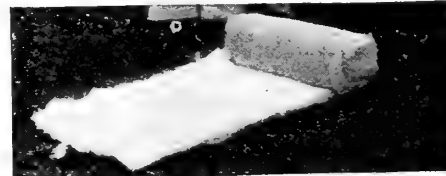
JUNIOR LAWN SPREADER AND SEEDER

16 inch hopper, capacity 16 lbs. Each, \$3.50.

Home Lawn, 18 inch, capacity 30 lbs.; with rubber tire wheels, each, \$6.50.

Mulching Wool

has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres. Packed 144 sq. ft. to a carton, nine rolls 8 ft. long by 24 inches wide, are easy to handle and apply. Per carton, \$6.48; four rolls for \$3.20. Weight per carton, 35 lbs.



ASBESTOS TORCH

Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Ea., 50c; 3 for \$1.35.



SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.75.



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Presenting for Our Sixty-fifth Year

L. H. VAUGHAN, PRES.
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How to Order: Please follow these instructions, and fill out order sheets carefully.

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Remittance: Please remit by money order or certified check. Do not send currency unless registered.

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All Trees, Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post: Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides, odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States.

Delivery in Chicago area on Trees, Shrubs and Plants: Since these are perishable and require special packing, a charge of 25 cents is made for delivery on an order for less than \$5.00. Over that, delivery is free within 25 miles of Chicago. Elsewhere, delivery is at buyer's expense, except where stated otherwise in offer.

All flower seeds prepaid.

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All bulbs and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense.

All Water Lilies by mail or express at buyer's expense.

All Roses, Trees, Shrubs, Perennial and Annual Plants are shipped from Western Springs at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on page 101), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn grass seed is prepaid to any part of the U. S. A.

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Vaughan's Seed Store at Chicago and New York covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are prepaid everywhere in the United States FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight, when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

DOMESTIC PARCEL POST RATES	First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.		
Local—Chicago or New York City.....	7c	1c (2 lbs.)
First and Second Zone within 150 miles of either.....	8c	1.1c
Third Zone within 150 to 300 miles.....	9c	2.9c
Fourth Zone within 300 to 600 miles.....	10c	3.5c
Fifth Zone within 600 to 1000 miles.....	11c	5.3c
Sixth Zone within 1000 to 1400 miles.....	12c	7c
Seventh Zone within 1400 to 1800 miles.....	14c	9c
Eighth Zone all over 1800 miles.....	15c	11c
Canada.....	14c	14c

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6 New Hemerocallis, \$2.25

New Hybrid Hemerocallis have become dominant summer border flowers. Taller with larger flowers and new colors, they are as vigorous and free flowering as the older varieties.

One each of the following:

Each

Margaret Perry. July. Dark scarlet-orange with yellow markings. \$1.00

Mikado. June. Large deep orange with maroon transverse blotches. 1.00

Calypso. 3½ ft. July. Large lemon yellow. .30

Mrs. W. H. Wyman. 4 ft. Early August. Lovely lemon-yellow. .30

Ophir. 4 ft. July. Giant golden yellow. .60

Gypsy. June-July. Deep orange shaded fulvous red. .35

Total Catalog Value. \$3.55

For other Hemerocallis see page 84.



TYPE OF HYBRID HEMEROCALLIS

Rare Coneflower

"The King"

Rudbeckia The King is the forerunner of a race of new Coneflowers. A scarce European introduction of considerable value. Habit of growth similar to ordinary species but Daisy shape blossoms are larger, petals are held erect and color is distinct wine-red with large brown center cone. Flowers have long life, often remaining on the stems three weeks. 3 ft. July-Sept. Each, 50c; 3 for \$1.50.



RUDBECKIA The King.

New Shasta Daisies

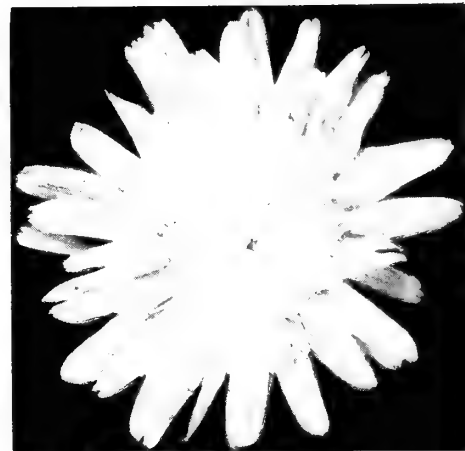
Chiffon. 2 ft. The flowers, 2 inches across, have fringed and laciniated petals, interlaced, see picture. Long flowering period. Needs winter protection. Each, 45c; 3 for \$1.25; doz., \$4.00.

G. Marconi. A new giant double Shasta Daisy from California which is everblooming. Immense frilly flowers on stout stems 2½ to 3 ft. Each, 50c; 3 for \$1.50.

Giant Double. Double Shasta Daisies produced from a selected strain of seed. Large flowers on stout stems ranging from semi-double to full double. Each, 35c; 3 for \$1.00.

Chrysanthemum Supreme. Outstanding new variety. Low, bushy foliage, strong, medium height stems with large flowers. Very hardy, blooms freely. 3 for 85c; doz., \$2.50.

Esther Reed. Rare everblooming double variety, developed in Europe. Snow white blooms, 4 inch diameter on 15 inch stems. Needs winter protection. Each, 60c; 3 for \$1.60.



SHASTA DAISY Esther Reed.



SHASTA DAISY Chiffon.

Tritoma Red-Hot Poker

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

Grandis Pfizeri. 2-3 ft. Aug.-Oct. The rich orange-scarlet flowers come freely in late summer and often continue till late October. The great waxy flowers make a vivid splash of color and are an excellent cut flower. 3 for 85c; doz., \$2.50.

Tower of Gold. Delightful golden yellow. 3 for \$1.00; doz., \$3.50.



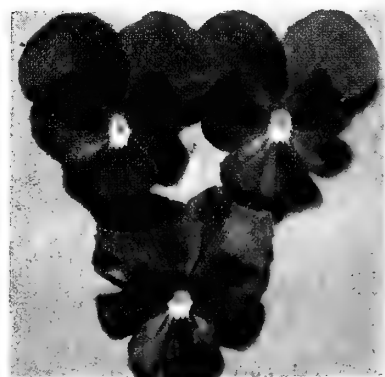
TRITOMA Pfizeri.

Giant Blue Viola

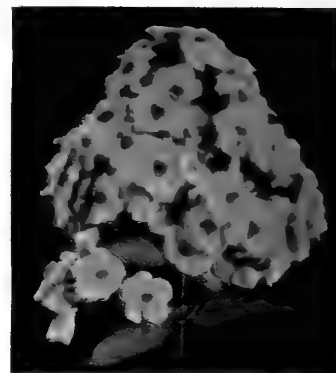
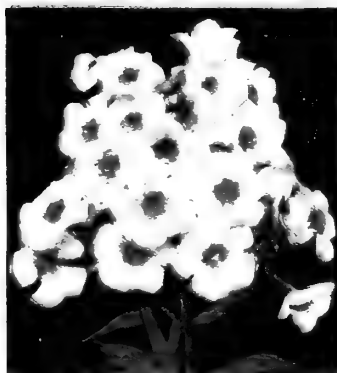
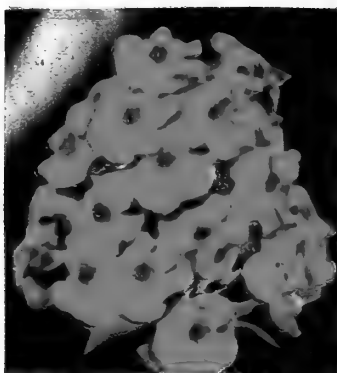
Viola Improved Wedgewood.

A splendid new reliable hardy Viola, with all the fine habits of a good garden plant. In bloom from early spring till late fall. At two years old the plant is compact and 18 to 24 inches in diameter. The large flowers of deep blue with small brilliant yellow eye have long stems and are produced in great profusion. 3 for \$1.00; doz., \$3.50.

Jersey Gem. Well known, reliable variety. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut flower. 3 for 85c; doz., \$2.50.



VIOLA Improved Wedgewood.



PHLOX Von Hochberg, 3 for \$1.50. PHLOX Europa, 3 for 85c. PHLOX Obergartner Wittig, 3 for \$1.00. PHLOX E. I. Farrington, 3 for 85c.

New Colors in Hardy Asters



ASTER Harrington's Pink.

Hardy Asters, flowering in the fall, have made remarkable advances. The first true pink, an American production, is now available. For complete list of Hardy Aster Seeds and Plants, see Page 82.

Harrington's Pink. First true pink hardy Aster. Large flowers of luminous true pink, first in this color on bushy plant. 3 for \$1.25.

Beechwood Challenger. (New.) 2½ ft. Darkest red of all. 3 for \$1.00.



ASTER Frikarti.

Frikarti (Wonder of Stafa). 2 ft. Amellus type. Large sky-blue flowers in profusion from September till late October. A famous and valuable variety. Each, 60c; 3 for \$1.50.

Mount Everest. 3 ft. Best white variety. Large flowers. 3 for \$1.00.

Hybridus Luteus (Solidago). 2 ft. Myriads of small pale yellow blooms. Good cut flower. 3 for 85c; doz., \$2.50.

Skylands Queen. 3 ft. Pale blue. Largest flowers and heaviest bloomer of all. 3 for 85c.

Six Perennial Phlox, \$1.65 Prepaid Value \$2.

One each Flora Reidy, E. I. Farrington, Goliath, Lillian, Obergartner Wittig, Painted Lady

M. = Medium. T. = Tall. D. = Dwarf.

Famous New Varieties

Augusta. (U. S. Patent No. 252.) Brilliant cherry red. Each, 50c; 3 for \$1.50; doz., \$4.50.

Columbia. (U. S. Patent No. 118.) Cameo pink, faint blue eye. Each, 40c; 3 for \$1.10; doz., \$3.30.

Colorado. M. Deep salmon pink, darker center. 3 for \$1.25; doz., \$4.00.

Daily Sketch. M. Immense flowers, light salmon pink with carmine eye. 3 for \$1.25; doz., \$4.00.

Harvest Fire. M. Large heads, flaming salmon orange. 3 for \$1.50; doz., \$5.00.

Leo Schlageter. New. D. Outstanding vivid scarlet or flame red. Good foliage, large blooms. 3 for \$1.50; doz., \$5.00.

Nordlicht. M. Outstanding bright rose-pink with large deep rose center. 3 for \$1.50; doz., \$5.00.

Tigress. M. New. Vigorous growth, immense trusses of brilliant orange scarlet. 3 for \$1.50; doz., \$5.00.

Standard Varieties

Mixed. 1-year field-grown plants of a choice mixture of colors. 3 for 65c; doz., \$2.00; 100, \$12.00.

Africa. T. Carmine red with dark eye. Large trusses. 3 for \$1.00; doz., \$3.50.

B. Comte. T. Wine purple of satiny sheen. 3 for \$1.00; doz., \$3.50.

Bridesmaid. T. Pure white with diffused red center. 3 for 85c; doz., \$2.50.

Champs Elysee. D. Dark purple. 3 for 85c; doz., \$2.50.

Colonial. T. Pure lilac. Erect stems. 3 for 85c; doz., \$2.50.

Europa. T. Large white florets with faint red center. 3 for 85c; doz., \$2.50.

E. I. Farrington. M. Delightful salmon shade with lighter eye. 3 for 85c; doz., \$2.50.

Flora Reidy. M. Pure white. 3 for 85c; doz., \$2.50.

Feuerbrand. T. Bright scarlet, tall with large heads. 3 for \$1.25; doz., \$4.00.

Goliath. T. Tall and early flowering. Light reddish purple. 3 for 85c; doz., \$2.50; 100, \$15.00.

Lillian. Light salmon pink, large florets. 3 for 85c.

Miss Lingard. T. (Suffruticosa.) Earliest white. 3 for 85c; doz., \$2.50; 100, \$15.00.

Miss Von Lassberg. T. Tall rapid growing, pure white. 3 for 85c; doz., \$2.50.

Mrs. Milly Von Hoboken. T. Bright pink, faint mauve suffusion. 3 for \$1.00; doz., \$3.50.

Obergartner Wittig. M. Large lilac-rose. Centers faintly marked crimson. Blooms late. 3 for \$1.00; doz., \$3.50.

Painted Lady. T. Soft silvery pink with red eye. 3 for 85c; doz., \$2.50.

Royal Purple. T. Light purple. Strong grower. 3 for 85c; doz., \$2.50.

Starlight. M. Bright mauve with star-shaped white center. 3 for \$1.00; doz., \$3.50.

Thor. T. A splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 85c; doz., \$2.50.

Von Hochberg. M. Large size blood-red blooms. The best deep red. 3 for \$1.50; doz., \$5.00.

See Page 85 for Creeping and other Phlox.



STOKESIA Blue Moon.

New Giant Stokesia

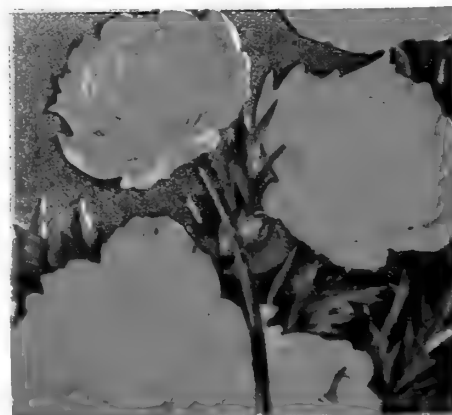
Stokesia Blue Moon. A perfectly hardy and vigorous variety with exceptional merit. The vivid blue disc-like flowers, often 5-6 in. in diameter, are borne well above the plant on stems 12-18 inches long. Blooms throughout season. Each, 50c; 3 for \$1.50.

Globe Flower or Trollius

Of Asiatic origin. Compact clumps of finely cut foliage bearing long stemmed double buttercup-like blooms in June and often in fall. Needs moisture and a deep rich soil of loose texture. Colors range from pale yellow to dark orange. 3 for \$1.00; doz., \$3.50.

Golden Queen. 2-3 ft. Large buttercup shaped flowers of light orange color. Flowers in autumn and early summer. 3 for \$1.25; doz., \$4.00.

New Hybrids. 2-3 ft. Colors range from pale yellow to dark orange. 3 for \$1.00; doz., \$3.50.



TROLLIUS New Hybrids. 3 for \$1.00.

Best of the New Cannas

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

POPULAR CANNAS

Ambassador. 3½ to 4 ft. Bronze foliage; color, poppy red; very brilliant flowers.

Eureka. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

Hungaria. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

King Humbert. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

The President. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

Yellow King Humbert. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 15c each; \$1.50 per doz.; \$10.00 per 100.

THREE-INCH POT PLANTS. Available April 20 to June 5; 25c each; \$2.50 per doz.; \$16.00 per 100.

CHOICE CANNAS

Copper Giant. 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It blooms continuously throughout the season.

Improved Florence Vaughan. 4 ft. Rated finest of all yellows. Large lemon-yellow flowers, faint red dots, luxuriant green foliage.

Louis Cayeux. 4 ft. Brilliant rosy scarlet. Large trusses. Showy and attractive variety. Green foliage.

Sungold. 4 ft. Very bright and vivid Chinese orange with golden yellow border. Green foliage. The most vivid orange Canna.

Timbuctoo. 4 ft. Very bright free-flowering yellow which does not fade in the sun. Green foliage.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 20c each; \$2.00 per doz.; \$12.00 per 100.

THREE-INCH POT PLANTS. Available April 20 to June 5; 30c each; \$3.00 per doz.; \$20.00 per 100.

All Canna plants F.O.B. our Greenhouses, Western Springs, Illinois. We recommend shipment by Express of four or more plants.

PENNISETUM CUPREUM

The bronzy, ornamental Grass that attracted so much attention at A Century of Progress. Needs rich soil and sunny location. Plants, 35c each; doz., \$3.00; 100, \$20.00.



CARNATION *Crimson King*, all summer bloomer, bright crimson. Plants, each, 35c; 3 for 85c; doz., \$2.50.

Hardy Carnations

Beatrix. 16 in. Has large, double, pale salmon-pink blooms, very fragrant and giving an abundance of bloom all summer. 3 for \$1.00; doz., \$3.50.

Crimson King. 2 ft. Closely resembling a Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. Each, 35c; 3 for 85c; doz., \$2.50.

Red Beauty. A hardy double type of rich fragrance and good blooming habit. Full double red flowers. Plants, 3 for 85c; doz., \$2.50



POTERIUM *Obtusum*.

Poterium Obtusum (Japanese Burnet). 3 ft. July-Sept. A rare hardy perennial of recent introduction. It has graceful pinnate foliage and crimson flowers, 2 inches long. Very ornamental and fine for cutting. 3 for \$1.00; doz., \$3.50.

12

Better
Perennials

\$2⁷⁵

(VALUE \$3.75)

ONE EACH OF THE FOLLOWING

Anchusa Myosotidiflora (Forget-me-not *Anchusa*); *Artemisia Bees Ruby* (Giant Red Thrift); *Aster Wartburg Star*; *Hemerocallis Calypso*; *Pyrethrum Roseum*, Robinson's *Crimson*; *Delphinium Indigo*; *Erigeron Amos Perry* (Hardy Blue Daisy); *Chrysanthemum Maximum Supreme* (Giant Shasta Daisy); *Tritoma Pfitzen* (Red Hot Poker); *Gaillardia Burgundy* (Red *Gaillardia*); *Trollius New Hybrids* (Asiatic Buttercup); *Violet Rosina* (Pink Sweet Violet).

Descriptions of the above will be found on the Perennial Pages of this catalogue. (See Index).



CANNA *The President*.

Rich Blue Creeper

Plumbago Larpentae. 8 inches. Dwarf spreading habit covered with deep sky-blue flowers all summer. Rich color and abundance of bloom with neat foliage make this an ideal edging plant. 3 for 85c; doz., \$2.50.

RARE BLUE DAISY

Erigeron Amos Perry. Compact growth. Large sky-blue Daisies on 18-inch stems all summer. Plants, each, 50c; 3 for \$1.50; doz., \$5.00.

FALL BLOOMING PINK DAISY

Chrysanthemum Clara Curtis. New late blooming pink Daisy, perfectly hardy. Hundreds of salmon-pink flowers, 3 inches diameter, in late August from plants two years old. Each, 50c; 3 for \$1.50.

Hardy Primroses

A popular plant for the shade. Many colors and types, quite hardy in most locations.

Primula Veris, Mixed. 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in mixed colors. Plants, 3 for 85c; doz., \$2.50.

Primula Munstead Strain. A giant Polyanthus in many charming light yellow shades. 3 for 85c; doz., \$2.50.

Primula Kleynii. Lusty growth with many large golden yellow flowers, shaded apricot in center. 3 for 85c; doz., \$2.50.



PRIMULA *Veris Mixed*. 3 for 85c; doz., \$2.50.



CHRY. Sunkist. Each, 30c.



CHRY. Tasiva. Each, 30c.



CHRY. Elena. Each, 30c.

CHRY. September Bronze.
Each, 30c.

Hardy Garden Chrysanthemums

NEW KOREAN MUMS

Hardy single Daisy Chrysanthemums first introduced in 1934. Numerous new varieties have added to the charm, coloring and abundant flowering of this new race of hardy mums.

Arcturus. Massive amber yellow blooms, faint carmine suffusion.

Hestia. Big rose pink blossoms, faint white halo.

Saladin. Heavily petalled Daisy-like blossoms. 3 in. diameter. Oriental red with coppery tones.

Sappho. Bright lemon-yellow. Dwarf type. Blooms earliest of all.

Saturn. Sparkling orange bronze, thin halo of light orange.

Vesta. Showy deep orange blooms.

Any of above: 30c each; Any 3 for 85c.

COLLECTION 116: THE SET OF 6 PLANTS \$1.45
(Postage Extra) FOR

CUSHION OR AZALEA-LIKE MUMS

Amelia. Known as Azalea-like mum. Very dwarf and early. Forms large mound covered with many medium size double light pink blooms. Each, 30c.

King Cushion. Habit of growth same as Amelia. Very dwarf and early with light bronze flowers. Each, 30c.

Queen Cushion. True Azalea type. Very dwarf and early. Medium size double white flowers. Each, 30c.

Red Cushion. The deep red form of the Azalea-like mum. May bloom a little later but in other respects it is identical in flowering and habit of growth. Each, 35c.

Yellow Cushion (New). A yellow form of the cushion type which is a perfect match for the other colors. Foliage, flowers, growth and hardiness are the true Azalea type. Color a dark lemon-yellow. Each, 40c.

COLLECTION 116C: ONE EACH OF ABOVE \$1.35
(Postage Extra) FOR



ACHIEVEMENT

COLORFUL GARDEN TYPES

Acacia. Bushy growth covered with 1-inch diameter sulphur yellow flowers in late September. Ea., 40c.

Achievement. New early light bronze, dwarf bushy plant. Blooms early September. Each, 40c.

Astrid. New Hybrid of 1936. 18 in. tall, literally smothered with large flesh-pink Daisy-like flowers in early October. Extremely hardy.

Autumn Lights. Unusual coppery orange disc-shaped. Blooms about Sept. 20. Erect growth. Medium height and large blooms. Each, 40c.

Brilliancy. Large semi-double, rich dark reddish bronze. Blooms Oct. 10.

Dean Kay. New. The first of a new hardy strain from Iowa. Extremely prolific and free blooming. Single plants run 4 feet in diameter with hundreds of 2-inch semi-double bright pink flowers. Ea., 50c.

Elena. Medium height with large, very full double medium bronze flowers. Blooms Oct. 10.

Harvest Gold. Compact, stocky growth with large bright yellow flowers in mid-September.

King Midas. Hardy, vigorous type with immense golden yellow flowers tinged bronze when opening. Blooms Oct. 12.

Lady Lavender. 1939 Introduction. Large double silvery lavender blooms by Oct. 10. Each, 40c.

Mrs. Sam P. Roten. Big fluffy double golden yellow shaded to deep orange. Blooms Oct. 15.

Natoma. Attractive full double rose-pink flowers with glistening sheen. Strong upright growth. In bloom Oct. 3. Each, 40c.

Rapture. Outstanding large double terra-cotta, shaded carmine, orange and bronze. Quite hardy. Blooms Oct. 15.

Santa Claus. New. Striking introduction with big, bushy growth covered by brilliant red flowers from early September till heavy frosts. Height is medium and blooms average 2-inch diameter. Each, \$1.00; 3 for \$2.25.

Sonoma. Double bronze. Gold tipped petals. Blooms Oct. 5.

Sunkist. Medium size double bright orange flower. Blooms Oct. 5.

Symphony. Very large flowers, 3 in. diameter, in mauve, rose, lilac and coppery shading. Blooms Oct. 12. Each, 40c.

Tasiva. Semi-dwarf growth. Fluffy double white flowers borne profusely. Blooms Oct. 7.

Price, except where noted, 30c each.

COLLECTION 116A: ONE EACH OF ABOVE \$4.00
17. Not including Santa Claus.

PINCH BACK YOUR MUMS

To make garden Chrysanthemums bushy, covered with flowers, pinch off the tops of all stems twice before they attain the height of 10 inches. After the ground freezes give a liberal covering of hay, straw or leaves, to prevent premature thawing out during the winter and early spring.

BUTTON OR POMPON TYPE

Deanna. Substantial size Buttons in rich bronze overlaid with coppery apricot shading. Blooms Sept. 30.

Jewell. Stout full button. Dark orchid pink. A great favorite.

Pygmy Gold. Dwarf growth, covered with round golden pompons. 1 in. diameter. Blooms in Sept.

September Bronze. Early light bronze pompon. One of the best.

Sonny Boy. Slightly larger and a shade darker than September Bronze.

White Gull. Entire plant covered with soft balls of pure white.

Any of above: 30c each; Any 3 for 85c.

COLLECTION 116B: THE SET OF 6 PLANTS \$1.50
(Postage Extra) FOR

GOVERNMENT VARIETIES

Developed by United States Department of Agriculture, the following new varieties have low bushy growth, and are free blooming. They show bloom Sept. 10th to 20th. Seminole is much earlier. All are dwarf type and extremely hardy.

Amoskeag. Semi-double light bronze.

Barneget. Medium, semi-double lemon-yellow.

Muskogee. Semi-double purplish-rose, slight yellow central disc.

Passumpic. Double pale blush pink.

Seminole. Double fluffy pure white. Extra early.

Any of above Government Varieties, 40c each; 3 for \$1.00.

COLLECTION 116D: ONE EACH OF THE 5 \$1.55
GOVERNMENT VARIETIES (Postage Extra).

Success With Chrysanthemums

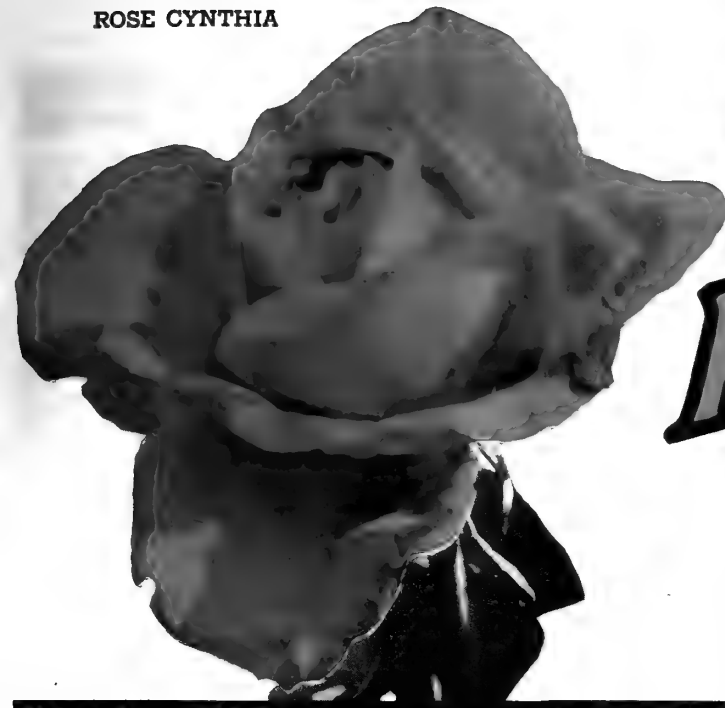
Divide plants every spring. Plant in sunny but sheltered spot. During dry spells water heavily once weekly.

Mulch with ½ inch straw litter about July 1st to promote early growth.



KING MIDAS

6 Everblooming Hybrid Tea ROSES \$3.75 FOR



Christopher Stone. Classed with Etoile de Holland and Crimson Glory as one of the three finest red Roses in existence. The plants grow well, have heavy foliage, and all season they produce quantities of brilliant, glowing, velvety scarlet blooms of good form. Delicious Old Rose fragrance. Dormant plants, \$1.00; pot plants, \$1.20.

Condesa de Sagato. Everyone liked this spectacular Rose with its cupped flowers of fiery copper on the inside and yellow on the reverse. Strong grower with heavy foliage; fragrant, free flowering. Dormant plants, 85c; pot plants, \$1.05.

Cynthia. A superb new variety which we know will please every Rose lover. The exceptionally well-formed buds are on stiff stems and open into full double flowers of a rich glowing oriental red or brilliant carmine. A vigorous grower and an outstanding cut flower variety. Dormant plants, 85c; pot plants, \$1.05.

Duquesa de Penaranda. This glorious Rose produces two distinct types of flowers. In summer the pointed buds are apricot-orange and dark pink opening to splendid blooms of coppery apricot. In autumn great brownish buds open slowly to finely formed flowers of a luscious cinnamon-peach color. Dormant plants, \$1.00; pot plants, \$1.20.

Editor McFarland. Perfectly formed, lasting, brilliant rose-pink flowers, excellent for cutting. Its vigorous growth, healthy foliage and abundance of fragrant bloom make it most dependable. Dormant plants, 85c; pot plants, \$1.05.

Golden Dawn. Noted for its quantity of bloom and considered the finest light yellow garden Rose. Buds lemon yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow. Bushy, vigorous grower, bronzy green foliage. Dormant plants, 75c; pot plants, 95c.

Hinrich Gaede. Here is one of the most spectacular Roses in existence, and it succeeds well everywhere. Long pointed, Nasturtium-red buds and big double blooms of rich luminous vermilion shaded golden yellow. Fine plants with beautiful, glossy foliage. Fruity fragrance. Dormant plants, 85c; pot plants, \$1.05.

McGredy's Ivory. "The perfect white Rose." Its long pointed, perfectly shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. The plants are vigorous, have good foliage and produce quantities of long-lasting, moderately fragrant, perfect Roses. Dormant plants, \$1.00; pot plants, \$1.20.

Mme. Joseph Perraud. One of the most gorgeous Roses in existence with enormous, perfectly formed Nasturtium-orange buds, which open to sweetly fragrant flowers of a charming Nasturtium buff, straying to a lovely shade of shell pink. An excellent flower for both garden and exhibition purposes. Blooms heavily all season. Dormant plants, \$1.00; pot plants, \$1.20.

ALL these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Before winter comes they should have borne for you hundreds of lovely blossoms, beginning in June and continuing without interruption until killing frosts. Our plants are finest two year grafted plants that are produced. The varieties are all of the newest type, some of the very latest to make their debuts. Plant dormant plants as early as you can and if you must plant late, use our hardened pot plants, ready in bud, May 1.

6 Hybrid Tea Rose Plants 2 YEAR DORMANT, Our Selection (Value \$5.30). Prepaid 600 Miles from Chicago. **\$3.75**

6 Hybrid Tea Rose 2 YEAR POT PLANTS, Our Selection (Value \$6.00). By Express Collect. **\$4.85**

12 Hybrid Tea Roses, 2 YEAR DORMANT, one each as listed (Value \$10.75). Prepaid 600 Miles from Chicago. **\$6.50**

12 Hybrid Tea Roses, 2 YEAR POT PLANTS, one each as listed (Value \$12.90). By Express Collect. **\$9.00**

Mrs. Pierre S. Du Pont. One of the most continuously blooming Roses grown and winner of more medals than any other outdoor Rose. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow that holds well. Compact bushes with glossy, healthy foliage. Dormant plants, 75c; pot plants, 95c.

Southport. Fine flowers of an exceedingly brilliant scarlet which is unaffected by the weather. Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems. Blooms very freely, producing more flowers than any other Hybrid Tea Rose in our collection. Dormant plants, 85c; pot plants, \$1.05.

Souv. de Mme. C. Chambard. One of the most beautiful of all pink Roses and delightfully fragrant. The buds are large, long-pointed, coral in color, and slowly unfold to a coral-pink flower developing a satiny peach tint. Strong vigorous grower and free bloomer. Dormant plants, \$1.00; pot plants, \$1.20.

Quantity Prices as Follows:	Each	Three	Doz.
	\$0.75	\$2.00	\$7.50
	.85	2.15	8.50
	.95	2.60	9.50
	1.00	2.70	10.00
	1.05	2.75	10.50
	1.20	3.30	12.50

Amaryllis

AMARYLLIS

	Each	Doz.	100
2-2½ in. Dia.....	\$0.30	\$3.00	\$22.50
2½-3 in. Dia.....	.45	4.50	30.00
3-3½ in. Dia.....	.70	7.00	55.00

APIOS Tuberosa

Splendid hardy climber. Color chocolate brown, fragrant. 2-4 bulbs should be planted together at a depth of 3-4 inches. Grows best in loose rich soil.

Price, each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

Begonias

DOUBLE BEGONIA

100, \$18.00.

Large Size. Ea., 30c; doz., \$3.00; 100, \$22.50.
Camellia Flowered Double—Red, yellow, rose, white, orange.

Medium Size. Each, 25c; doz., \$2.50; 100, \$18.00.

Large Size. Each, 30c; doz., \$3.00; 100, \$22.50.

Carnation Flowered or Frilled—Same colors as above.

Medium Size. Each, 25c; doz., \$2.50; 100, \$18.00.

Large Size. Ea., 35c; doz., \$3.50; 100, \$25.00.

Fragrance—A fragrant Begonia. Single flowers of deep pink. The fragrance is distinctive and pleasing. Each, 35c; doz., \$3.50.

Pendula—Used in hanging baskets. Each, 25c; doz., \$2.50; 25 for \$4.50. Double blooming, many fine pinks.

Narcissus-Flowered in Mixture. Inner petals joined into a large semi-double or single corona with petals elegantly crimped at margin. Each, 30c; doz., \$3.00; 25 for \$5.50.

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

*Summer Flowering Bulbs***Golden Yellow CALLA LILY**

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well even in full shade outside for foliage effect all summer besides blooming.

Bulbs. 2-2½-inch, each, 20c; doz., \$2.00; 100, \$15.00. 2½-3-inch, each, 30c; doz., \$3.00; 100, \$22.50.

CALLA LILY

(Richardia Maculata)

Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 25c; doz., \$2.50; 100, \$18.00.

CHLIDANTHUS Fragens

Chlidanthus Fragens (The Gold Flower). Produces clusters of from two to four golden yellow, trumpet-shaped flowers that are delicately fragrant. Handle in the same manner as gladioli.

Price, each, 15c; doz., \$1.50; 100, \$10.00, prepaid.

CINNAMON VINE

(Dioscorea Batatas)

Well-known hardy climber; quick grower. Large Roots, 3 for 40c; doz., \$1.50; 25 for \$2.50, prepaid.

CALADIUM Esculentum

Elephant's Ear—Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for \$1.50; not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 40c, prepaid; doz., \$1.50; 25 for \$2.50, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 75c, prepaid; doz., \$2.50; 25 for \$4.50, not prepaid.

Gloxinias

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Dark Blue with white throat

Pink, white throat

Scarlet with white band

Deep Violet with white band

Violet Blue. Blood Red.

Each, 35c; 3 for \$1.00; doz., \$3.50.

Hyacinthus Candicans

(Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, 15c; doz., \$1.50, prepaid; Selected Size, each, 20c; doz., \$2.00, prepaid.



HYACINTHUS CANDICANS

Ismene Calathina

ISMENE CALATHINA

best. Plant clumps in a shady moist place. Each, 65c; doz., \$5.00; prepaid.

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 25c; doz., 90c; 25 for \$1.50, prepaid.

OXALIS

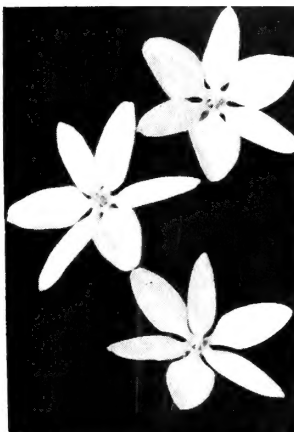
Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink. Price, any color, doz., 30c; 25 for 50c; 100 for \$1.75; prepaid.

Bulbs Shipped Separately from Seed

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival and if bulbs can not be planted at once they should be placed in a dry and frostproof cellar until ready to plant.

Milla Biflora

New introduction from Mexico, where it is called Estrellitas, or Little Stars. Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September.



MILLA BIFLORA

Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates.

Each, 15c; doz., \$1.50; 100, \$10.00.

Montbretias



MONTBRETIAS

Plant Early

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

They do best in a light loamy soil enriched

with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply.

Special Mixed. Price, 3 for 25c; doz., \$1.00; 100, \$6.50, prepaid.

Earlham Large Flowered Hybrids

They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches.

Special Mixed. 3 for 50c; doz., \$1.75; 100, \$12.00, prepaid.

SPREKELIA

Formosissima (Jacobean Lily)

Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.

Large Size—Each, 25c; doz., \$2.50; 100, \$18.00.

Summer Flowering Bulbs

Tuberose Double

(Polianthes Tuberosa)

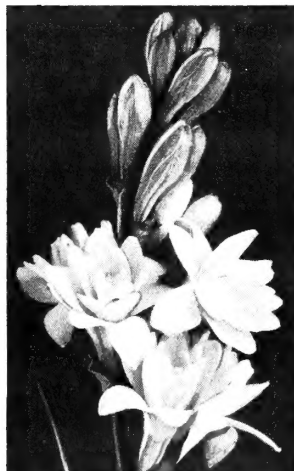
Mammoth Bulbs—Each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

First Size—Each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Second Size—Price, doz., 50c; 25 for \$1.00, prepaid.

Mexican (Single)—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance.

Price, doz., 50c; 25 for \$1.00, prepaid.



TUBEROSES

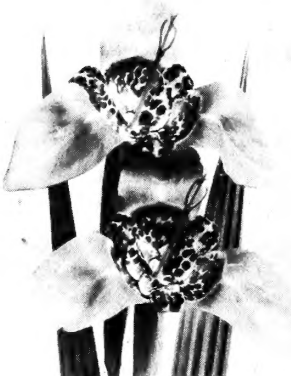
Excelsior Dwarf Pearl Double

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier.

Tigridia

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.



TIGRIDIA

	Each	Doz.	100
Scarlet.....	\$0.15	\$1.35	\$ 9.00
Yellow.....	.15	1.35	9.00
Orange.....	.15	1.35	9.00
Light Pink.....	.20	1.80	13.00
Rose.....	.20	1.80	13.00
White.....	.20	1.80	13.00
Mixed. Price, 3 for 40c; doz., \$1.35; 100, \$9.00, prepaid.			

CROCUS FALL FLOWERING

Ready in August

Speciosus. Deep blue.

Zonatus. Soft lilac.

Doz., 75c; 100, \$5.50, prepaid.

Fairy Lily

Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., 50c; 25 for 80c; 100, \$3.00, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 15c; doz., \$1.25; 100, \$8.00, prepaid.



ZEPHYRANTHUS

THREE ITEMS BELOW
Ready for delivery June 15.

Resurrection Lily

(Amaryllis Hallii) (Lycoris Squamigera)
For Outdoor Planting

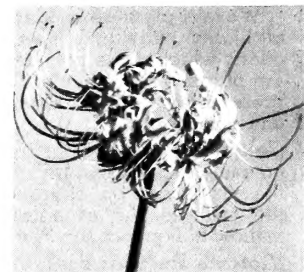
Produces in early spring attractive green foliage which grows until May when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—As the bulb is perfectly hardy without any protection it can be planted either in the fall or spring, but we consider fall best. Cover the crown about four inches. Each, 75c; doz., \$7.50.

Lycoris Radiata

A coral red Spider Lily. Bulbs planted 5 inches deep July 15th bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossom up in August or September, Lily-shaped flowers of orange-red.

Each, 25c; doz., \$2.50; 100, \$18.00.



LYCORIS RADIATA

STERNBERGIA LUTEA

These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection.

Each, 20c; doz., \$1.75; 100, \$12.00.

The Fragrance of Your Favorite Flower

Vaughan's Natural Floral Perfumes, Dram 50¢

The quality of Vaughan's Natural Floral Perfumes is attested by the many women of prominence in society, on the stage, and radio, who regularly purchase our perfumes, colognes and soaps for their own use and for gifts to their friends.

They have found in these perfumes a recreation of the fragrances they prefer, truer than was provided by the best imported perfumes, when these were available. It is known that the war and consequent blockade have interrupted the importation of perfume oils. We can recommend the bouquet fragrances listed below without reservation, to those who have been accustomed to the finer French bouquets.

THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

(Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water). It is used wherever a perfumed lotion is wanted—in the bath, on linens, or as a refreshing lotion in hot weather.)

Appleblossom: Soft, yet fresh and clean.

Bouquet S: A delicately feminine blend of rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

Bouquet X: Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

Forest Breeze: A smoky, piney fragrance—the scent of a pine forest on an autumn day.

Freesia: We are proud to have captured the elusive scent of this delicate flower.

PERFUME PRICES

1 Dram.....	50c	1 Ounce.....	35c
2 Drams.....	90c	4 Ounces.....	1.00
½ Ounce.....	1.60	½ Pint.....	1.85
1 Ounce.....	3.00	1 Pint.....	3.00

(An ounce contains eight drams)

These prices postpaid to any point in the United States. Prices are based on plain containers. Gift Box included.

COLOGNE PRICES

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Geranium: Like a crushed leaf of the green plant.

Hawaiian Lei: A lovely blend of exotic tropical flowers.

Heather: A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Heliotrope: The true sweetness of the flower.

Hyacinth: The most accurate recreation of this flower we know.

Lavender: The well-known English type, not sweet or "musky" like so many near-lavenders.

Lilac: Lilacs wet with morning dew. Fresh and leafy—our largest selling odor.

Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.



Magnolia: The veritable fragrance of the Southern Magnolia—rich and lush.

Nicotiana: Reproduced with astonishing fidelity. The well-known "Sweet-scented Tobacco."

Parma Violet: A favorite for generations with women of wealth and refinement.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet, softer than the Parma type.

White Rose: An old favorite—not as heavy as Red Rose.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

Zanzibar: Like a clipper ship laden with the spices of the Indies and rare oriental woods.

Vaughan's Sampler: To prove to our customers the high quality of our perfumes, we have assembled a "Sampler" collection, featuring our ten leading fragrances, a full one-eighth dram of each, enough for several applications. All ten fragrances, \$1.00 postpaid.

"Personalized Perfumes"

Dram, \$1.50; Ounce, \$10.00.

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

Calcutta: Intended for introduction by an exclusive Parisian firm, we purchased the oils carried out of France just before the collapse. An exceptionally smooth, mellow bouquet of the French type.

Victoria Regina: Based on the formula for the consecrated oil used in anointing Queen Victoria at her coronation. Rich and fragrant. Not for the ingenue.

Garden Night: A rich, luxurious odor for evening, especially blended for a glamorous radio star.

Morning Fresh Bouquet: A dewy, ferny fragrance, for daytime wear, which has won wide acceptance among young women of good taste.

Song of the Heart: A dry, woody fragrance with no trace of sweetness, yet definitely not heavy. A perfume of unusual distinction.

VAUGHAN'S FLORAL SCENTED SOAPS

American made, these true, super-fatted soaps surpass any imported soaps of the last decade, and measure up to the highest traditions of the old soap makers of Europe. We recommend them to women of taste and discrimination. The fragrances are counterparts of those used in our perfumes and colognes.

ODORS AVAILABLE ARE:

Carnation: A fresh, spicy odor—liked even by men who do not ordinarily care for scented soaps.

Blue Spruce: A soft fragrance of the pine type, but without any trace of the turpentine note of many pine soaps.

Geranium: The fresh, leafy odor of an old favorite.

Lavender: Soap experts tell us that this is the only soap they have smelled which retains a fresh lavender character after milling. Outstanding.

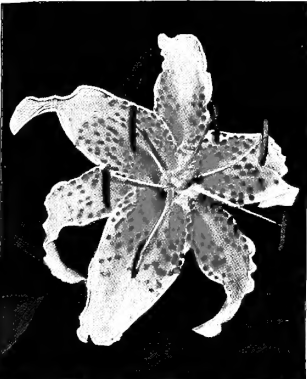
PRICES: 3 oz. cake, 20c (add 3c for postage); 6 oz. cake, 35c (add 6c for postage).

Lemon Verbena: The fresh, lemony fragrance of the tender green tips of this beloved plant.

Lilac: Specialists tell us that this is the only soap available today which can be compared to the Lilac formerly turned out by a famous foreign firm which was considered the best in the world. True Lilac wet with dew.

Violet: The closest reproduction of true violet fragrance available in soap.

Zanzibar: One of our leading odors, a spicy-woody blend of Oriental character, yet fresh and clean. On the Carnation order, but with a rich undertone of the finer French bouquets.



RUBRUM
Each, 25c; Doz., \$2.50



UMBELLATUM
Each, 25c; Doz., \$2.50



TENUIFOLIUM
Each, 15c; Doz., \$1.50



REGALE
Each, 15c; Doz., \$1.50



PHILLIPINENSE
Each, 20c; Doz., \$2.00

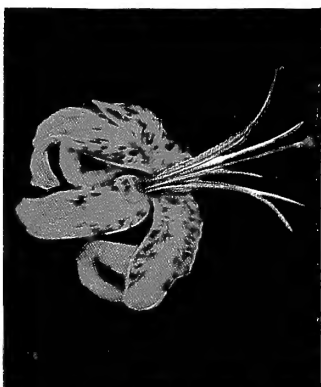
Six Hardy Garden \$1 Lilies, LARGE BULBS

(Value \$1.20) • Postpaid . . . 1
One each of the 6 varieties illustrated: Rubrum, Umbellatum, Tenuifolium, Regale, Phillipinense and Henryi, prepaid 600 miles for \$1.00.

These varieties are hardy, vigorous and lasting, true "flowers of the field" and if planted in a well drained location, in mellow soil, will grow and multiply, contributing to your garden picture for years.

Shipped at Your Planting Time.
See Hardy Lily Page for Descriptions of these Varieties.

One Each Variety Separately Bagged and Labeled, Prepaid	\$ 1.00
Two Each Variety Separately Bagged and Labeled, Prepaid	1.90
Six Each Variety Separately Bagged and Labeled, Prepaid	5.25
Twelve Each Variety Separately Bagged and Labeled, Prepaid	10.00



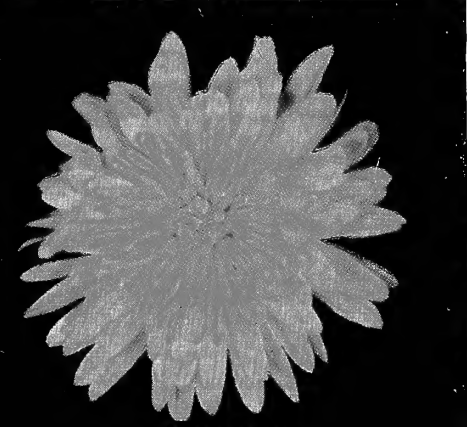
HENRYI
Each, 20c; Doz., \$2.00



POHATCONG



ROBERTA COPELAND



ALGONQUIN



THE MOOR



GLOMERO



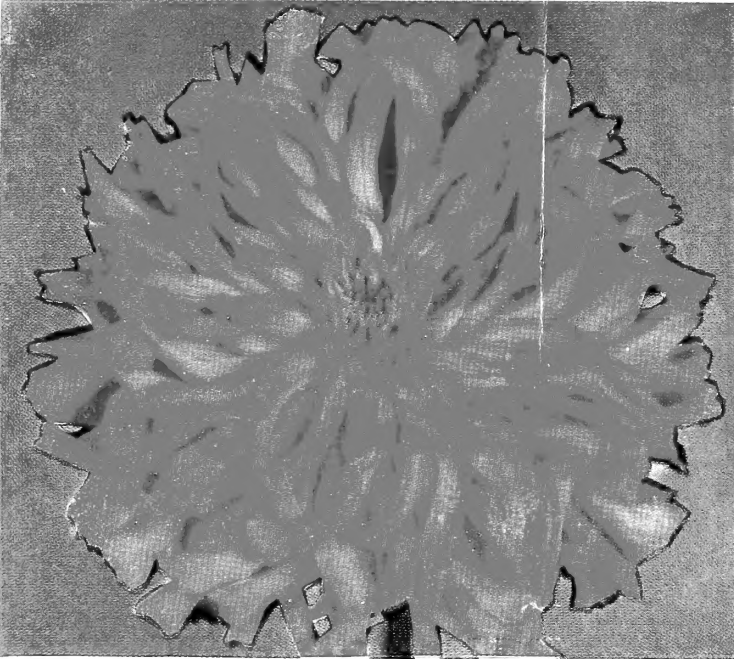
GERONIMO

Six Earliest Double Chrysanthemums, Catalogue Value \$2.50, Prepaid 300 Miles \$1.95

One Each of the Varieties Illustrated above, as follows: Pohatcong. Lavender rose, blooms Sept. 18, Each 40c; Roberta Copeland. Tomato red, blooms Sept. 24, Each, 45c; Algonquin. Deep yellow, blooms Sept. 20, Each, 40c; The Moor. Maroon, blooms Oct. 5, Each, 40c; Glomero. Bronze yellow, blooms Sept. 26, Each, 40c; Geronimo. Dark bronze, blooms Sept. 20, Each, 45c.

Zinnias of Novel Forms and Colors

5924 1 Large Packet Each of the 7 Varieties Described (\$1.35 Value), Prepaid \$1.00.



NEW GIANT

5891 David Burpee. Produces giant flowers, sometimes 6 inches across, with shaggy petals resembling Fantasy, and many pastel colors: cream, chamois, buff, rose, burnt-orange, terra cotta, apricot; some flowers two-toned. All interesting, and some exciting. Plants grow vigorously four feet tall and flowers are borne on long wiry stems. 75 seeds, 10c; 200 seeds, 25c; $\frac{1}{4}$ oz., \$1.00.



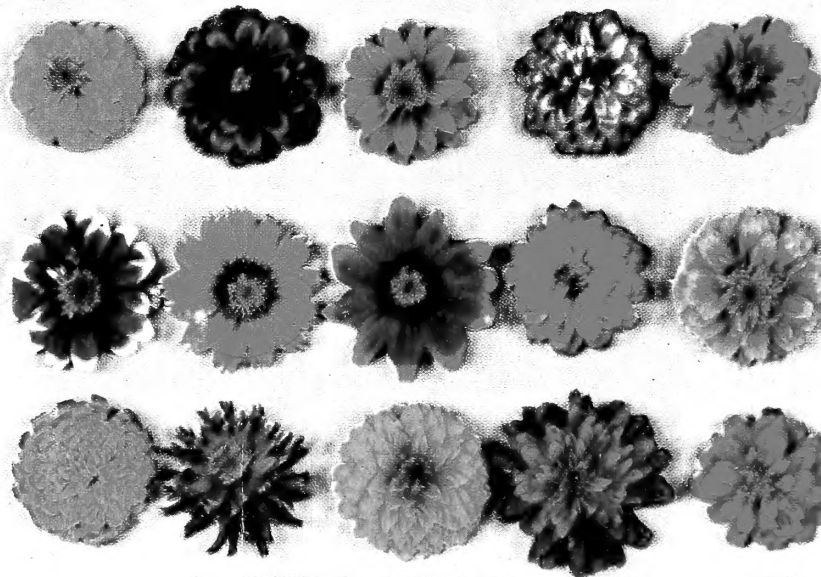
INDIAN TONES

6172 Navajo Mixed. 18 in. Flowers abundant, of medium size, petals strongly tipped white or yellow in bicolor effect; of scarlet, orange and other hues suggesting Navajo Indian decorations. They give delightful color harmonies for decorations for table and living rooms. Pkt., 15c.

6172 NAVAJO MIXED. Pkt., 15c.

FLORAL PIXIES

6126 Vaughan's Mixture of Midget Zinnias. Includes all the fifteen varieties illustrated and others; all delightful, charming in the garden and of just the size to make attractive table arrangements. Many your friends will never recognize as Zinnias. Easy to grow and always covered with bloom. $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 80c; pkt., 15c.



FOR THE PATIO

5896 Fiesta. Medium flowers are striped red and yellow, suggesting the colors of the Spanish flag so popular in Mexican Fiesta decorations. A gay variety for a sunny planting, and attractive bouquets. Pkt., 25c.

CHARMING DISARRAY

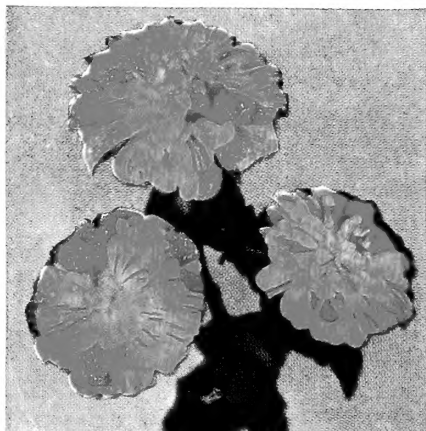
5912 Fantasy Orange Lady. Tousled petals of bright orange present a welcome contrast to the formality of other Zinnias; and attract admiration both in garden and in bouquets. Pkt. 15c.

5908 Fantasy Mixture including rose, yellow, scarlet, orange and white. Pkt., 15c.

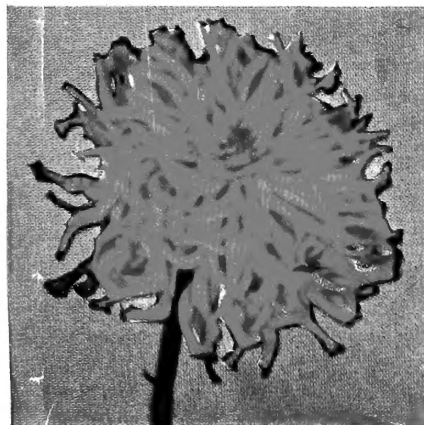
DARK BEAUTY

6071 Black Ruby. A new color in the Lilliput or Pompon type, a rich deep maroon. Double flowers, one-inch, borne on bushy two-foot plants. Won bronze medal in 1941 All America trials. Pkt., 25c.

6126 VAUGHAN'S MIXTURE OF MIDGET ZINNIAS. Pkt., 15c.



5893 FIESTA. Pkt., 25c.



5912 FANTASY ORANGE LADY. Pkt., 15c.



6071 LILLIPUT BLACK RUBY. Pkt., 25c.